

PATENT

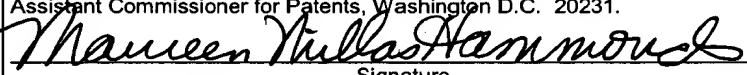
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of)
)
Munro et al.)
)
Serial No.:)
)
Filed: July 30, 1998)
)
For: METHOD AND APPARATUS)
FOR DISCRIMINATING AND)
COUNTING DOCUMENTS)

Atty Dkt No.: 47171-00125USC2
Group Art Unit: Unknown
Examiner: Unknown

TRANSMITTAL OF FORMAL DRAWINGS

Assistant Commissioner
for Patents
Washington, D.C. 20231

EXPRESS MAIL MAILING LABEL	
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<small>I hereby certify that this paper or fee is being deposited with the United States Postal Service "EXPRESS MAIL POST OFFICE TO ADDRESSEE" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to: Assistant Commissioner for Patents, Washington D.C. 20231.</small>	
 Signature	

Dear Sir:

Enclosed are eight-one (81) sheets of formal drawings including Figures 1-68.

Applicants understand that no additional fees are required. However, if the Office determines that any comparison fees or other additional fees are required, the Commissioner is authorized to charge any such fees to Jenkins & Gilchrist Deposit Account No. 10-0447/47171-00125USC2(CUMM:125—2).

If there are any matters which may be resolved or clarified through telephone interview, the Official Draftsman is respectfully requested to contact Applicants' undersigned attorney at the number indicated.

Respectfully submitted,



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JENKENS & GILCHRIST
1445 Ross Avenue, Suite 3200
Dallas, TX 75201-2799
312/425-8517

005060" T8455960

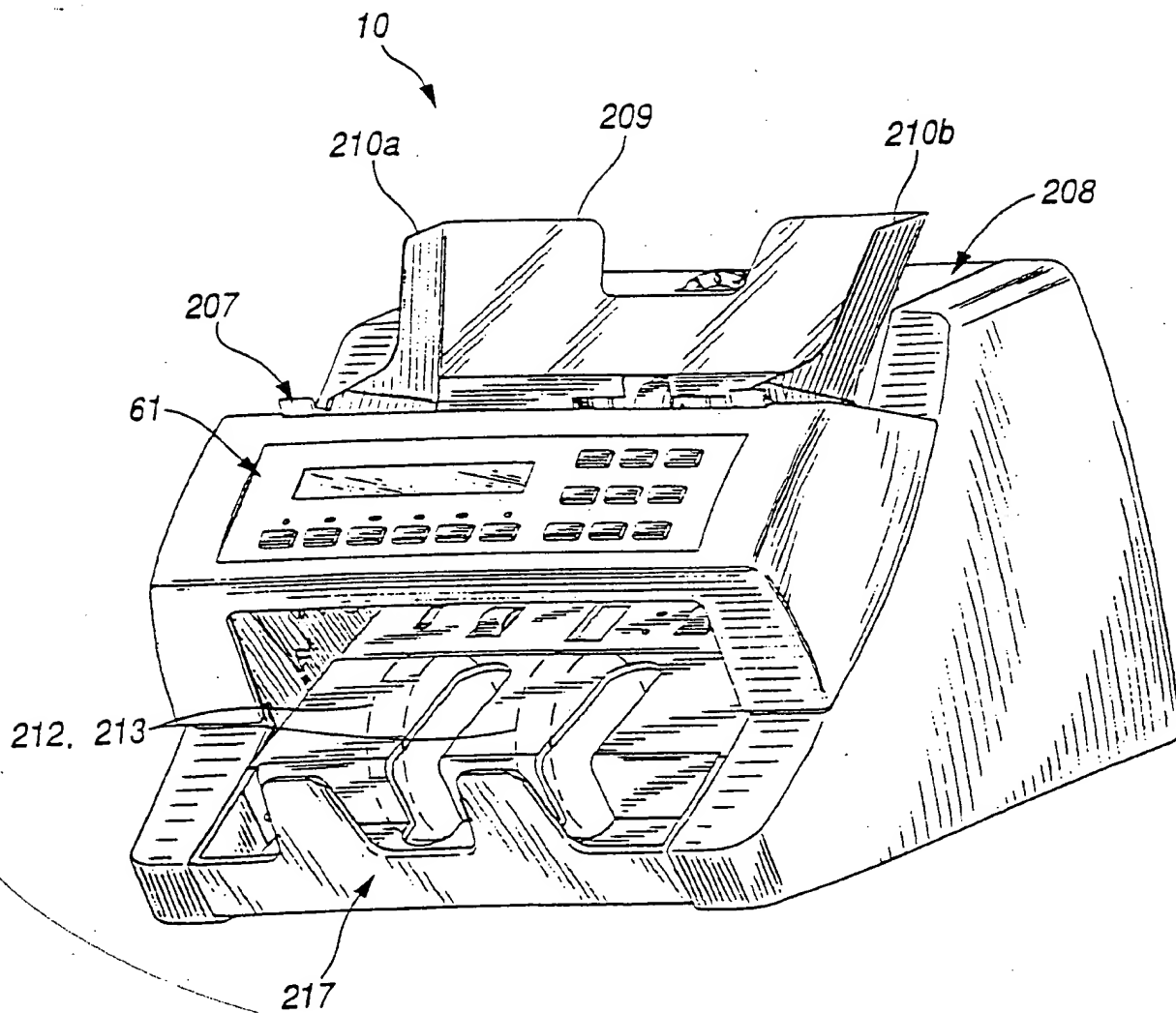


FIG. 1

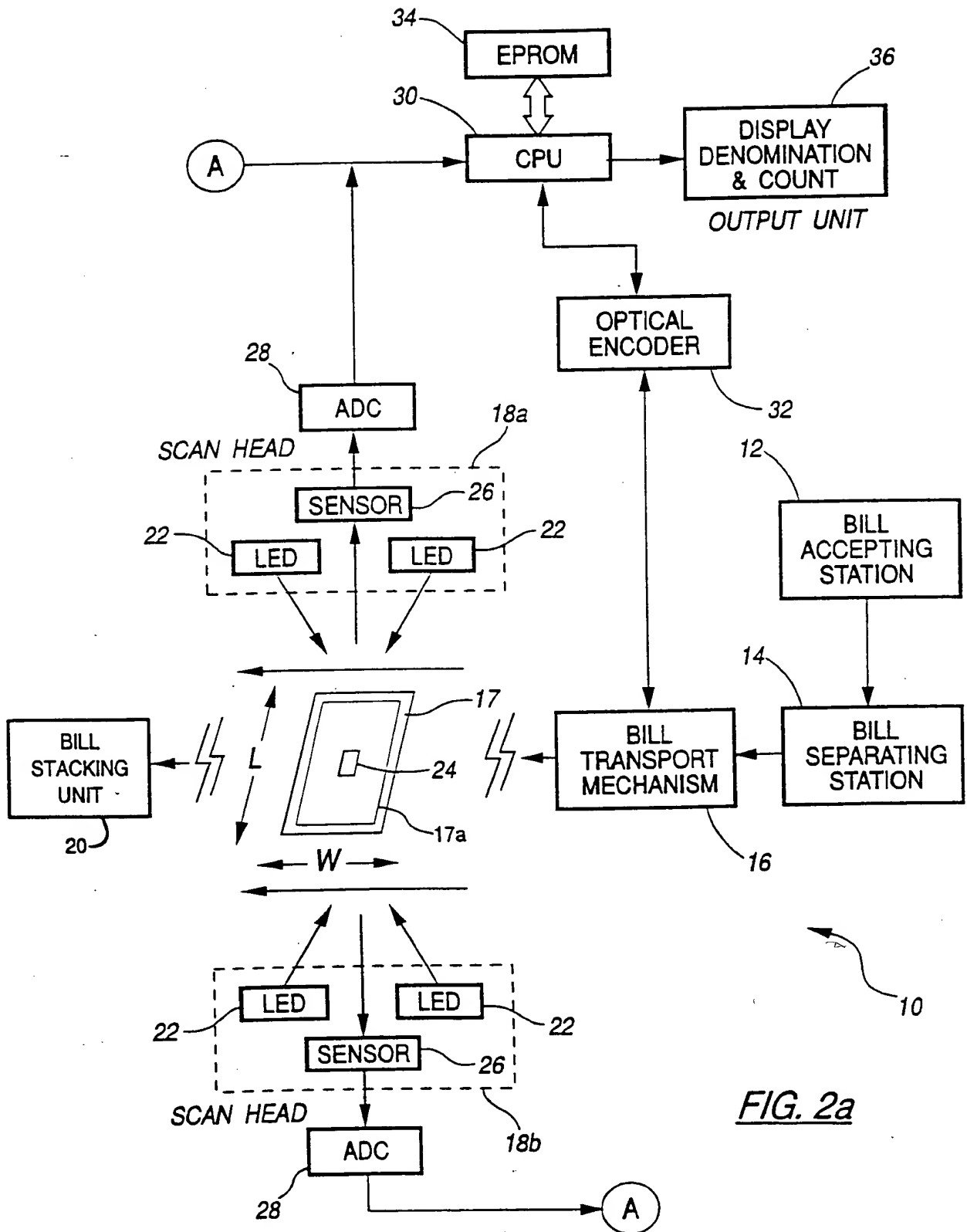


FIG. 2a

005060" T845960

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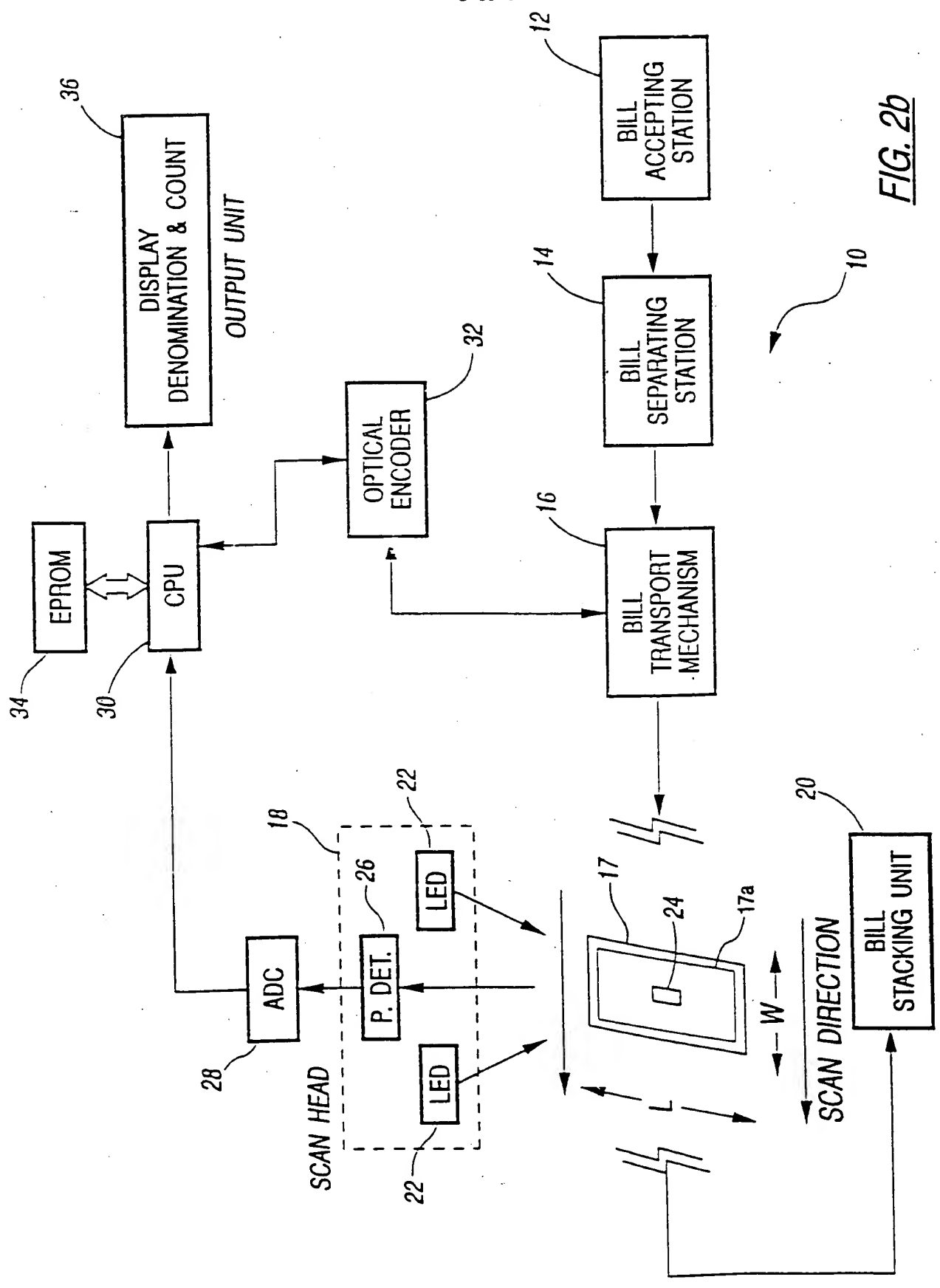


FIG. 2b

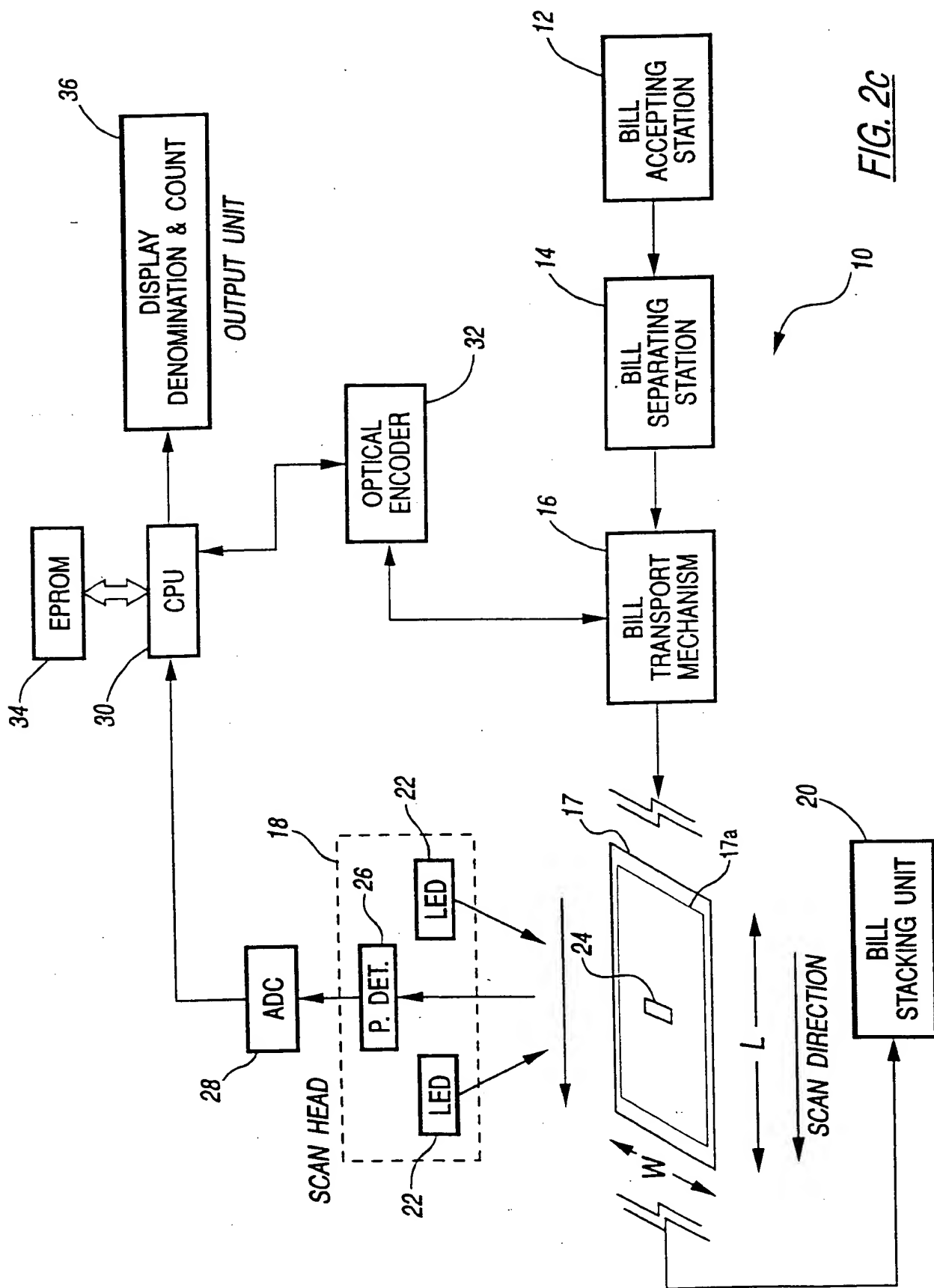
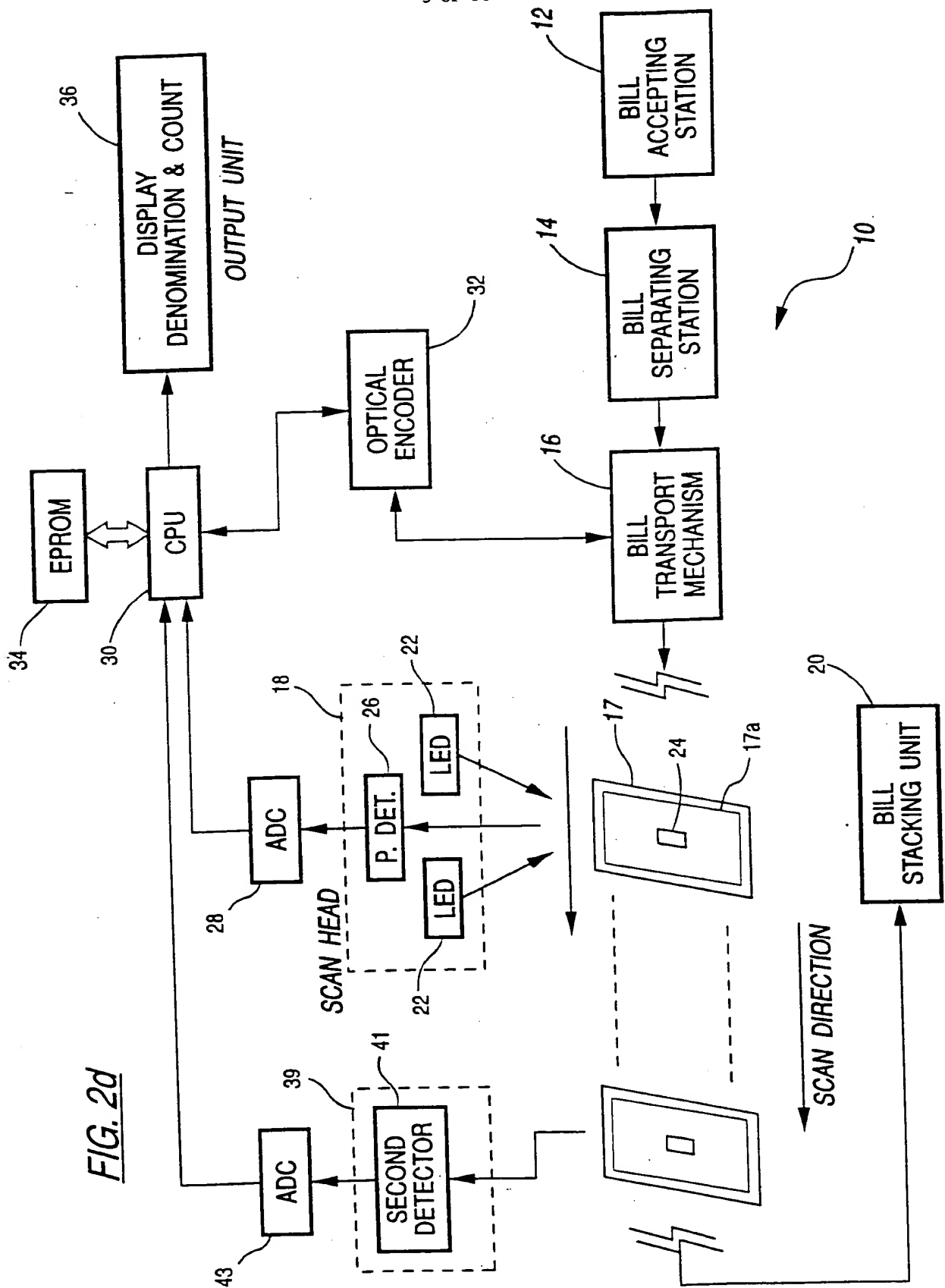
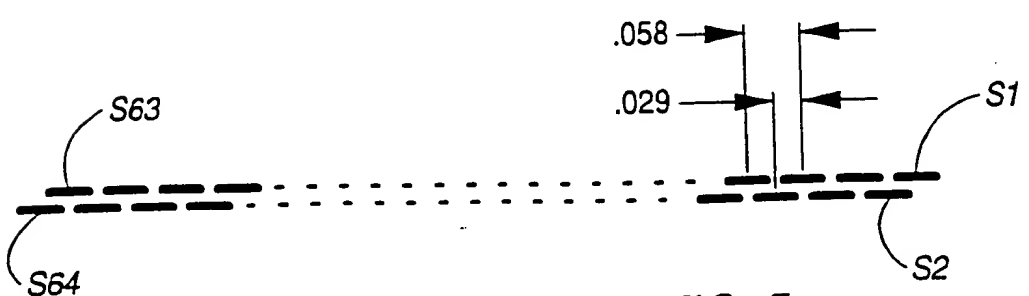
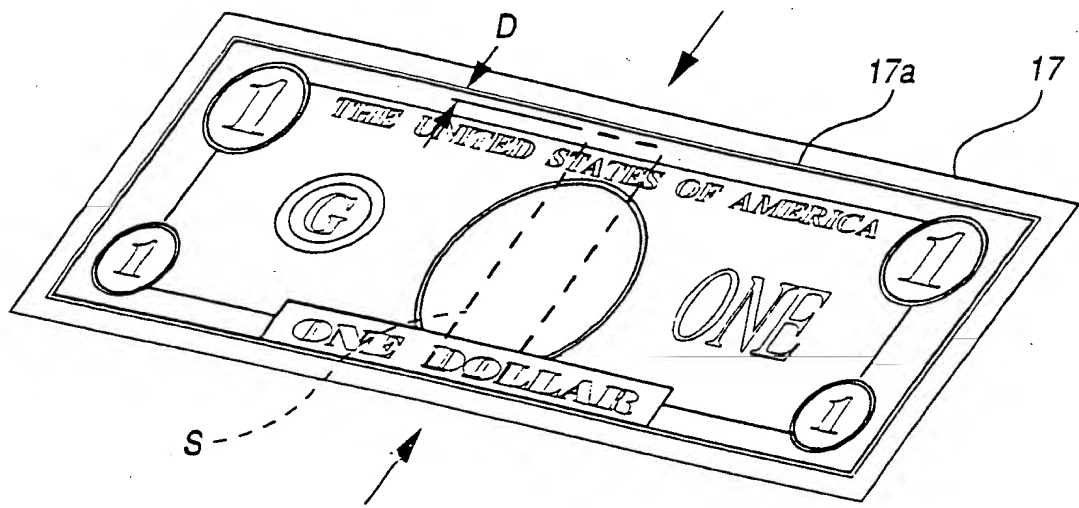
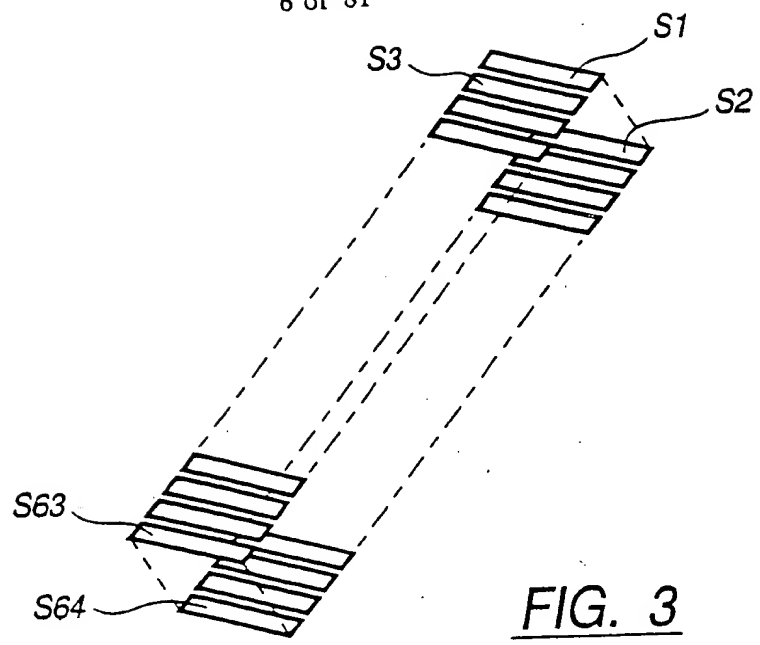


FIG. 2C



005060" T845960



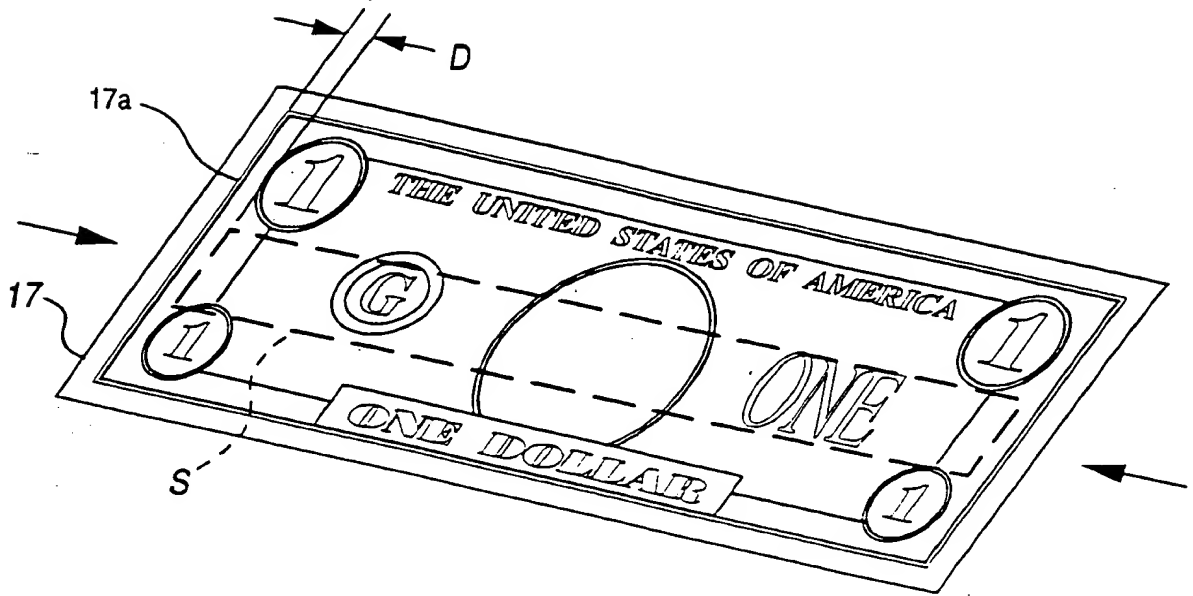


FIG. 4b

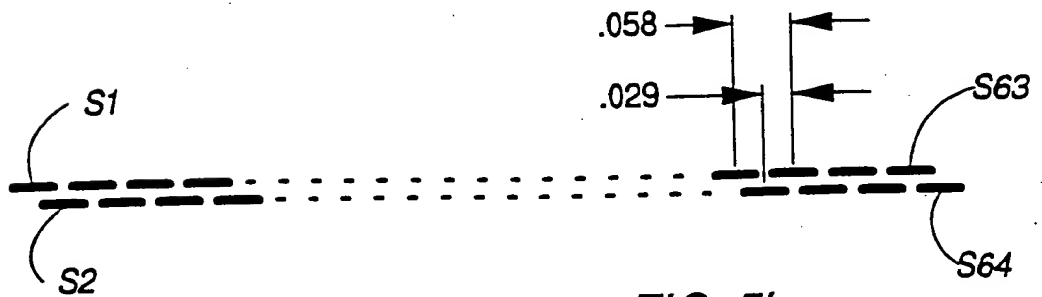


FIG. 5b

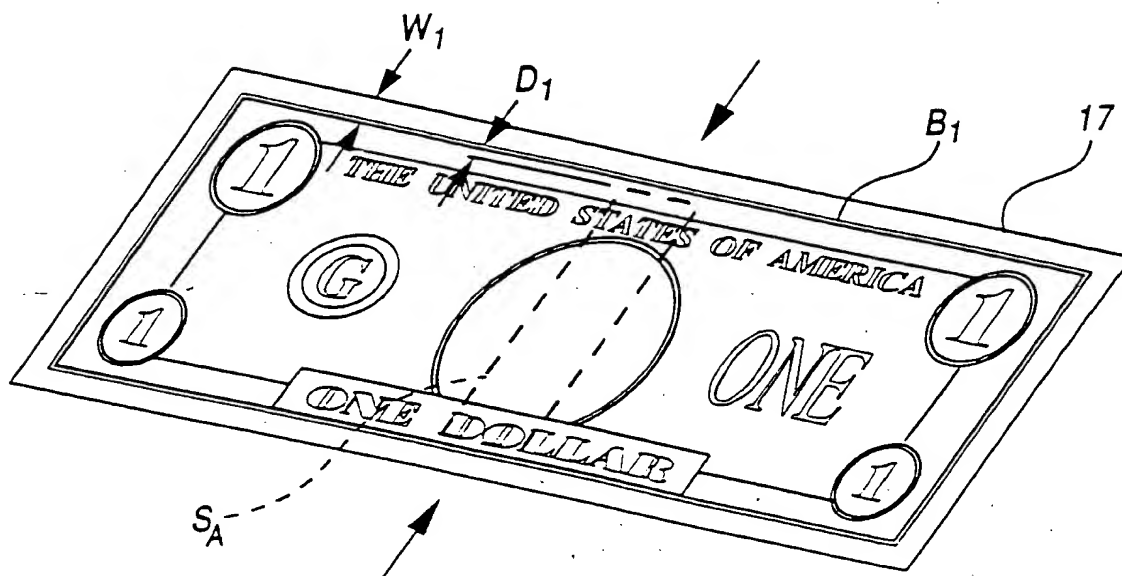


FIG. 6a

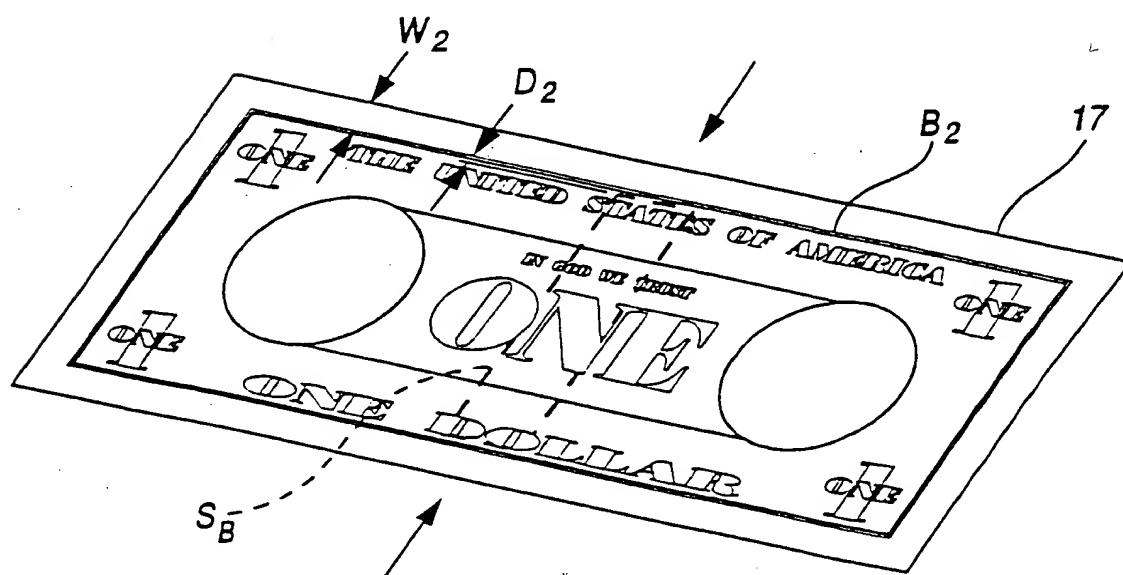
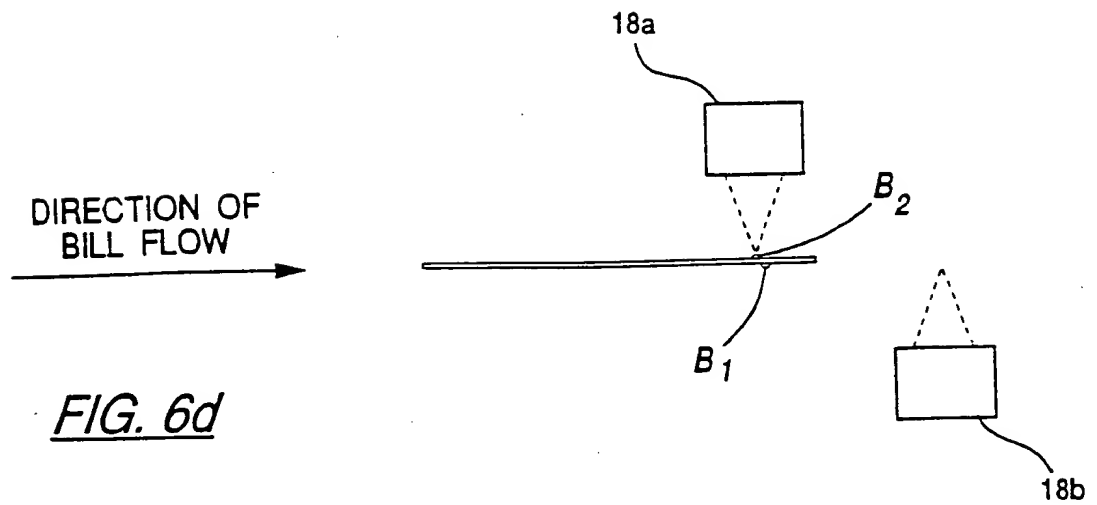
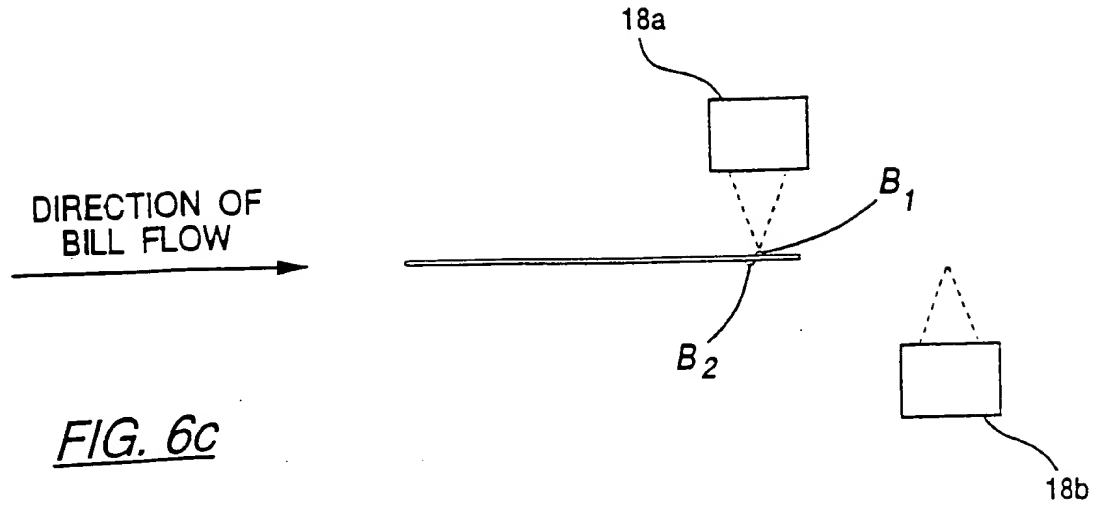


FIG. 6b



005060" T8455960

FIG. 7a

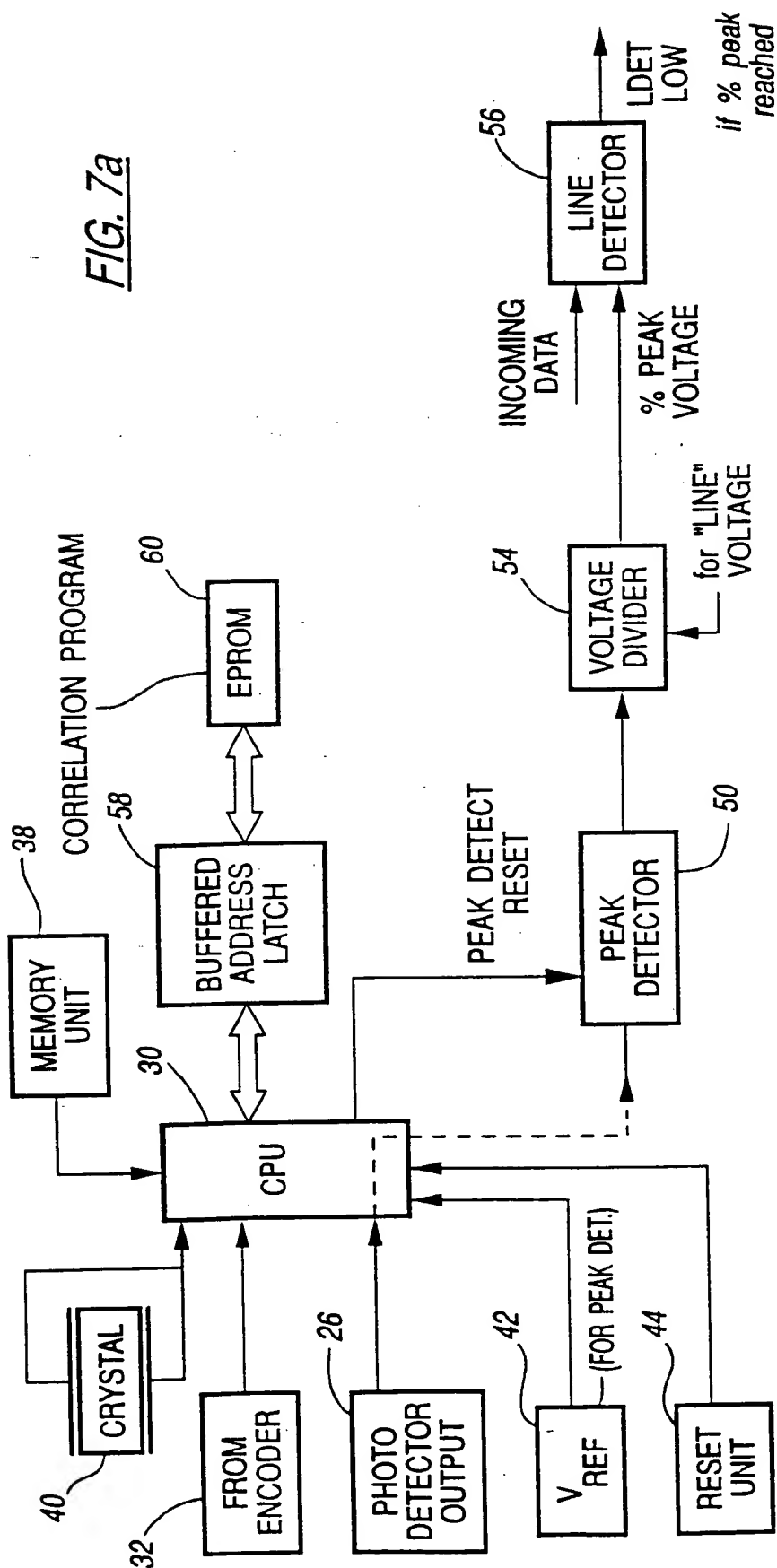
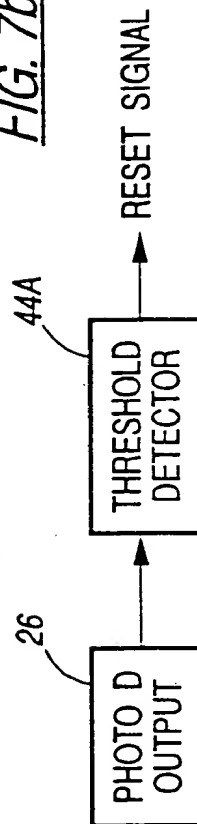
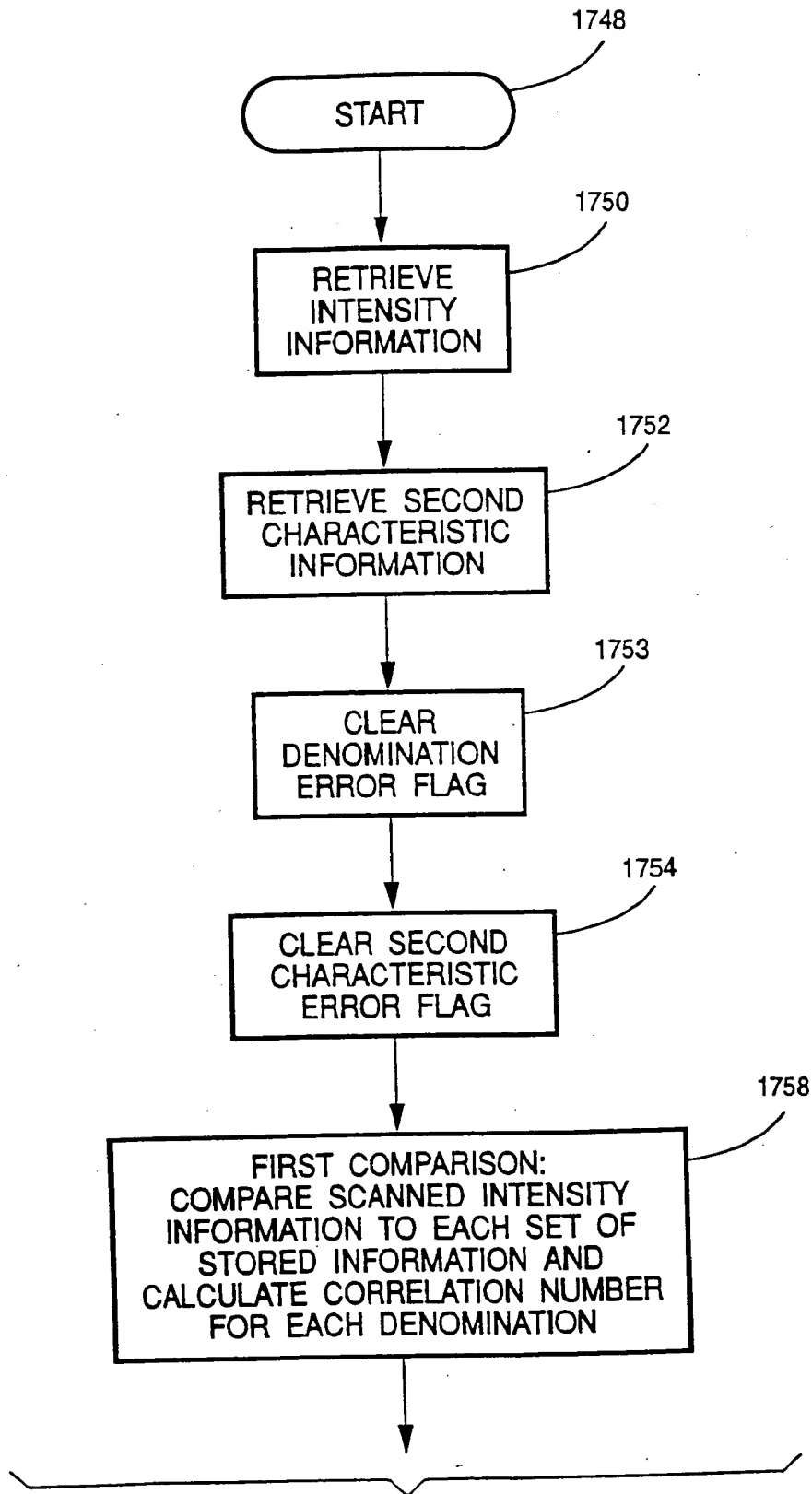


FIG. 7b



*FIG. 8a*

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FROM FIG. 8a

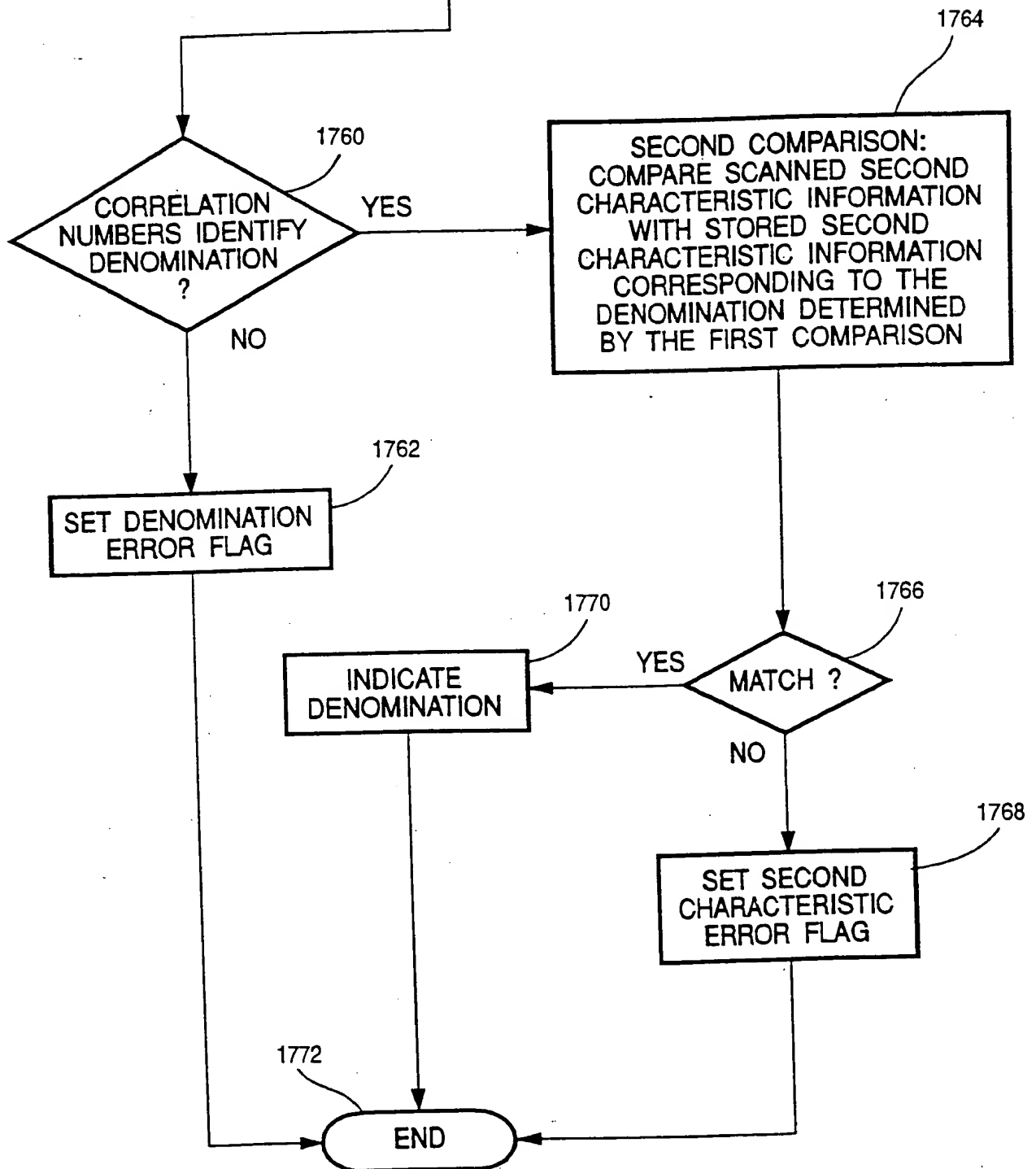


FIG. 8b

0055481-090500

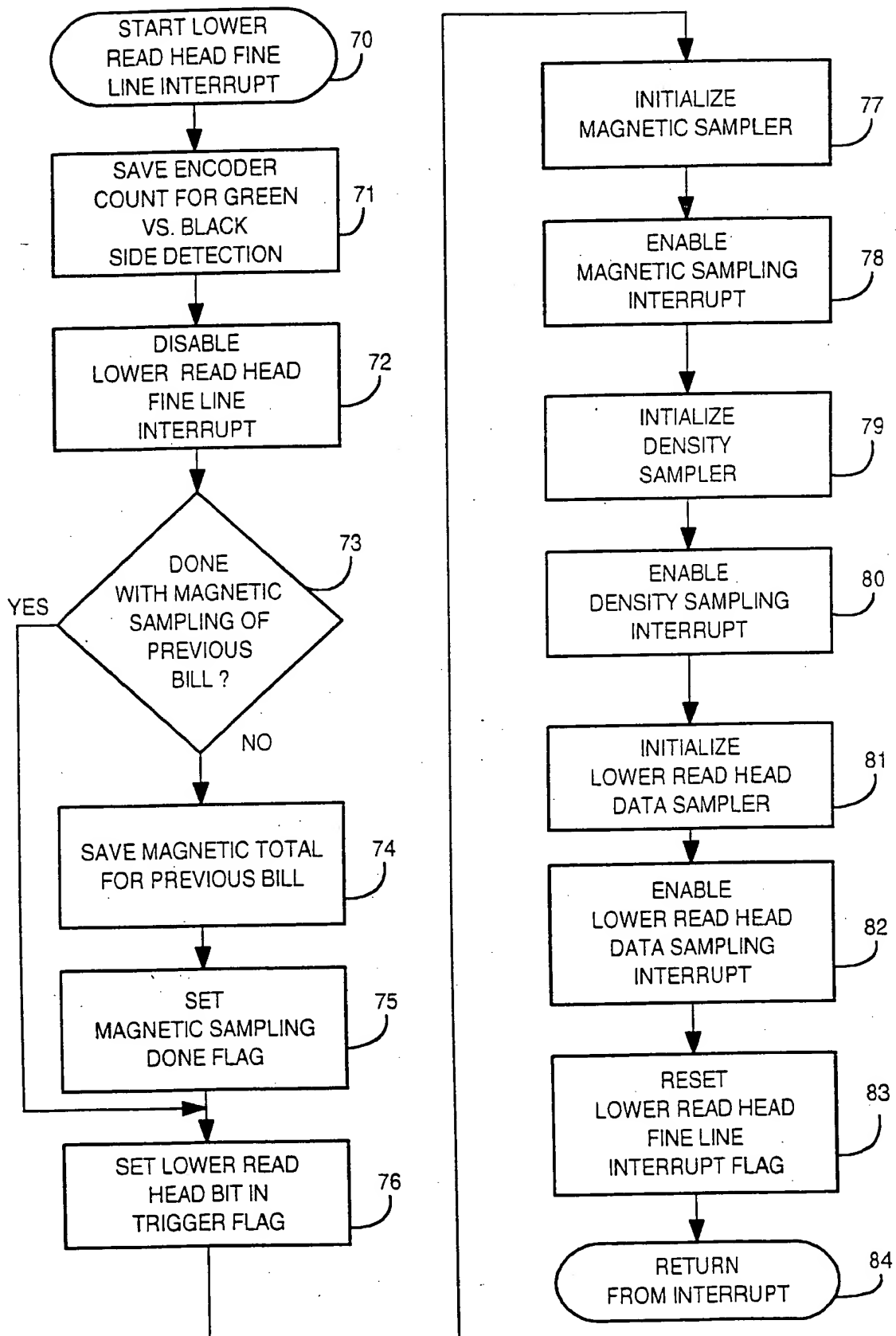
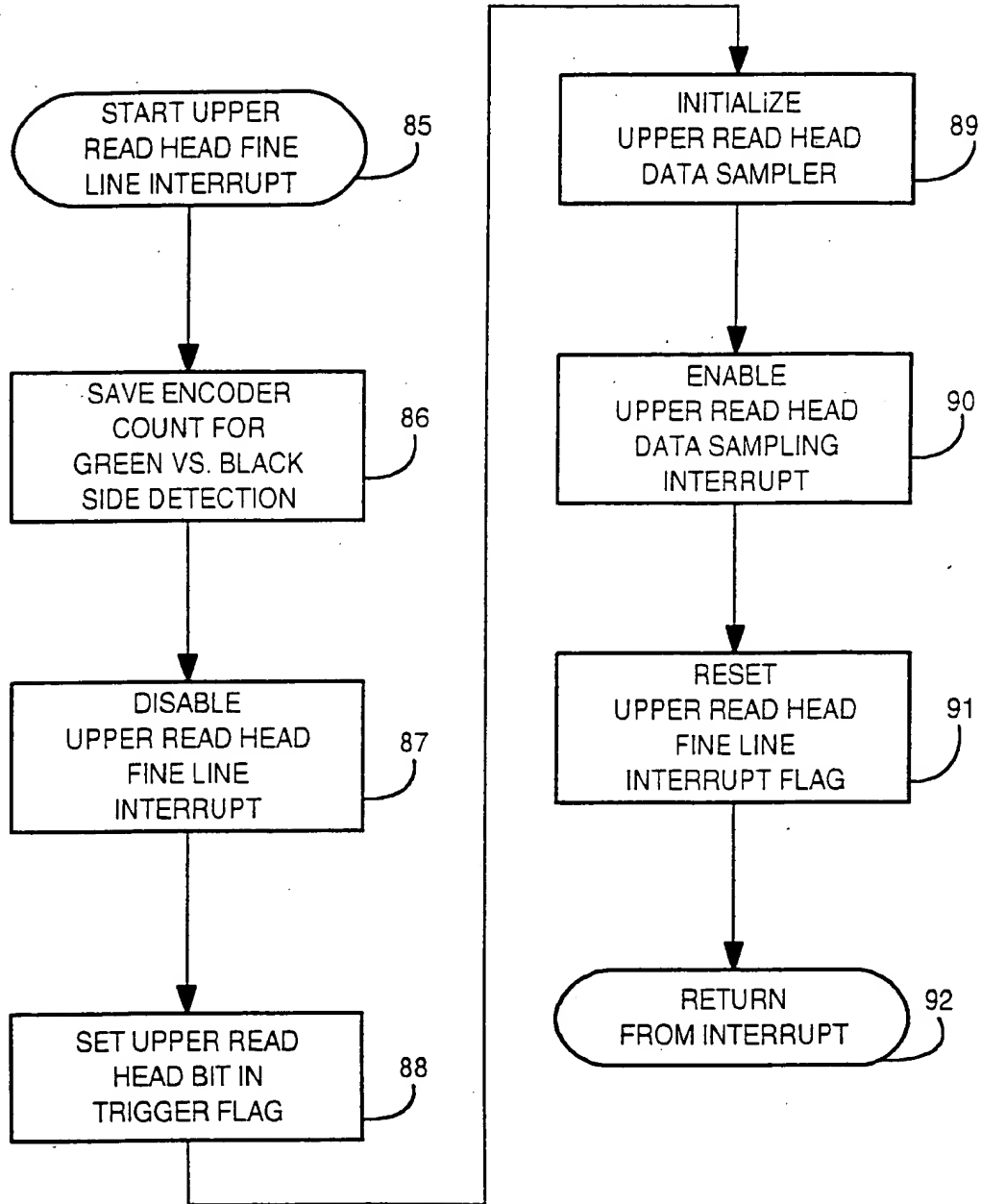
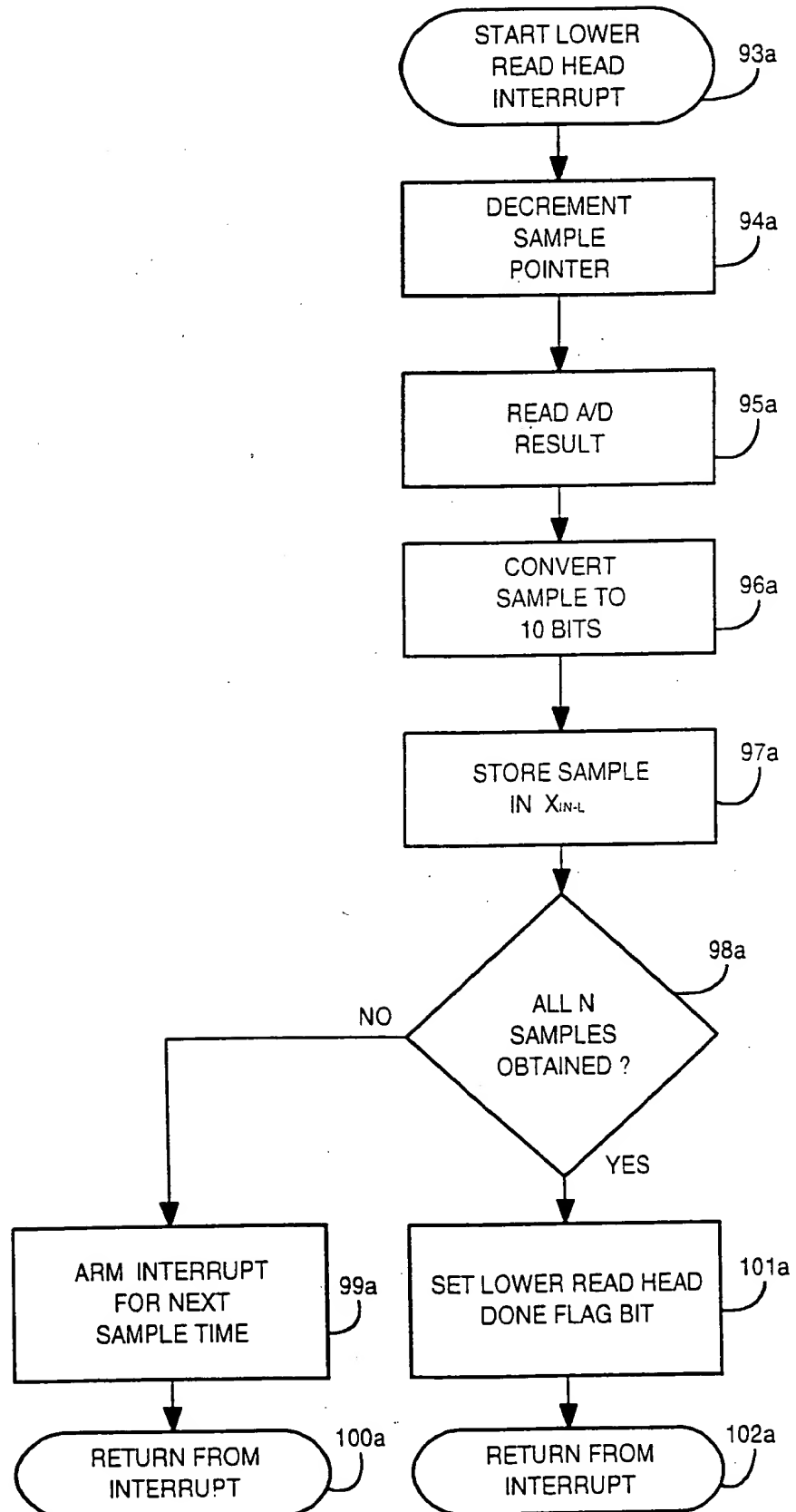
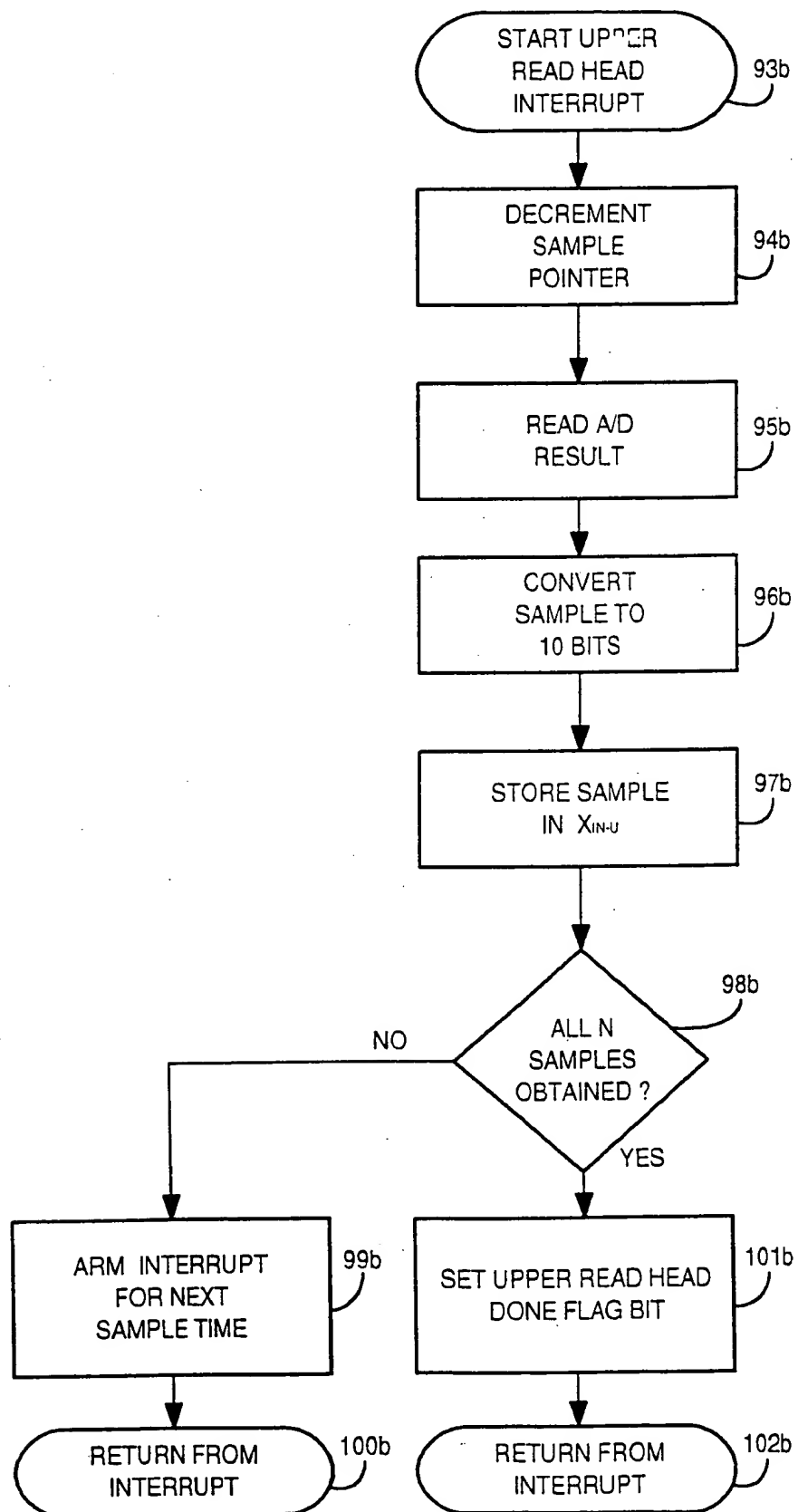


FIG. 9

*FIG. 10*

*FIG. 11a*

*FIG. 11b*

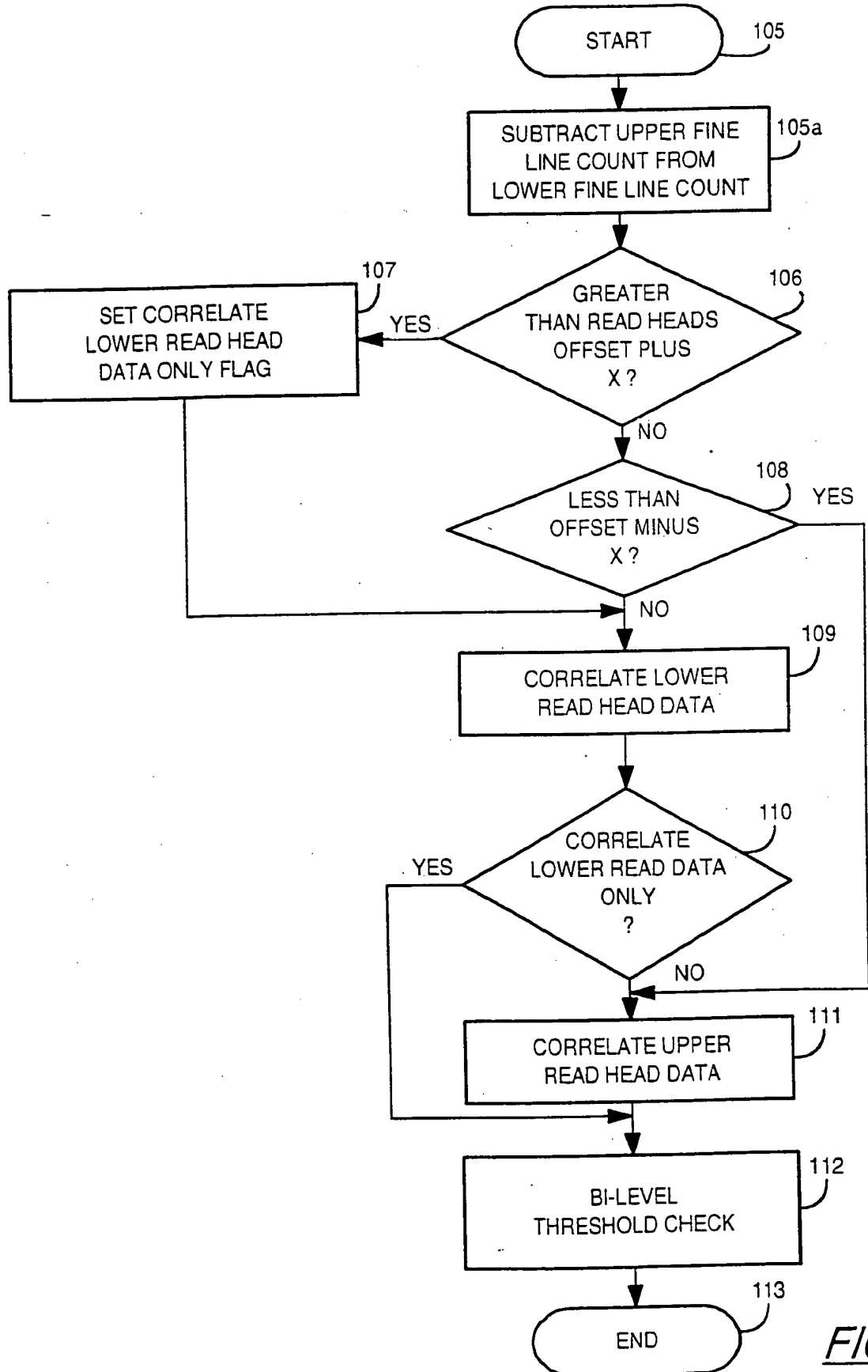
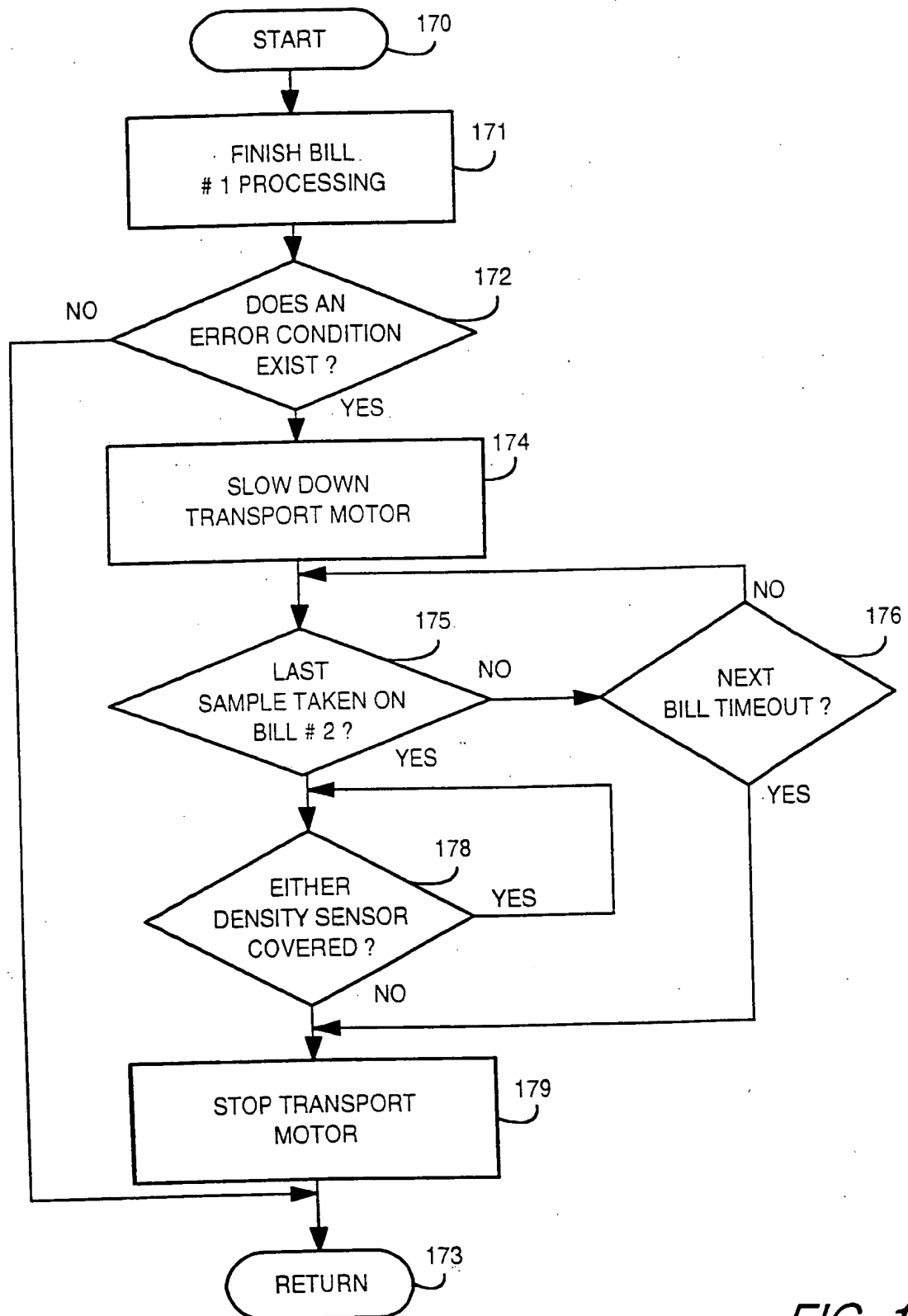


FIG. 12

*FIG. 14*

\$1 : TOP, FORWARD

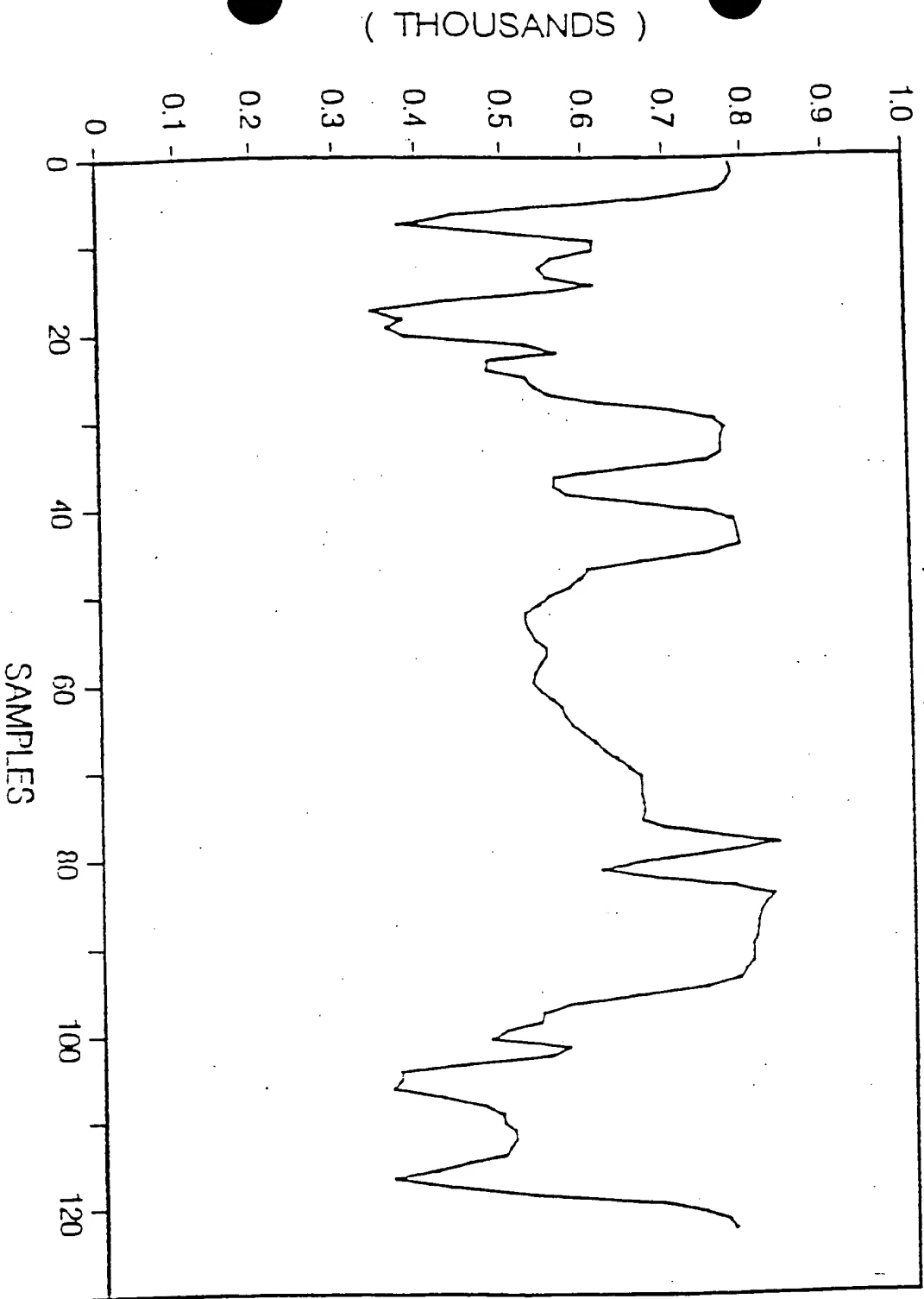


FIG. 15a

8 NV DB

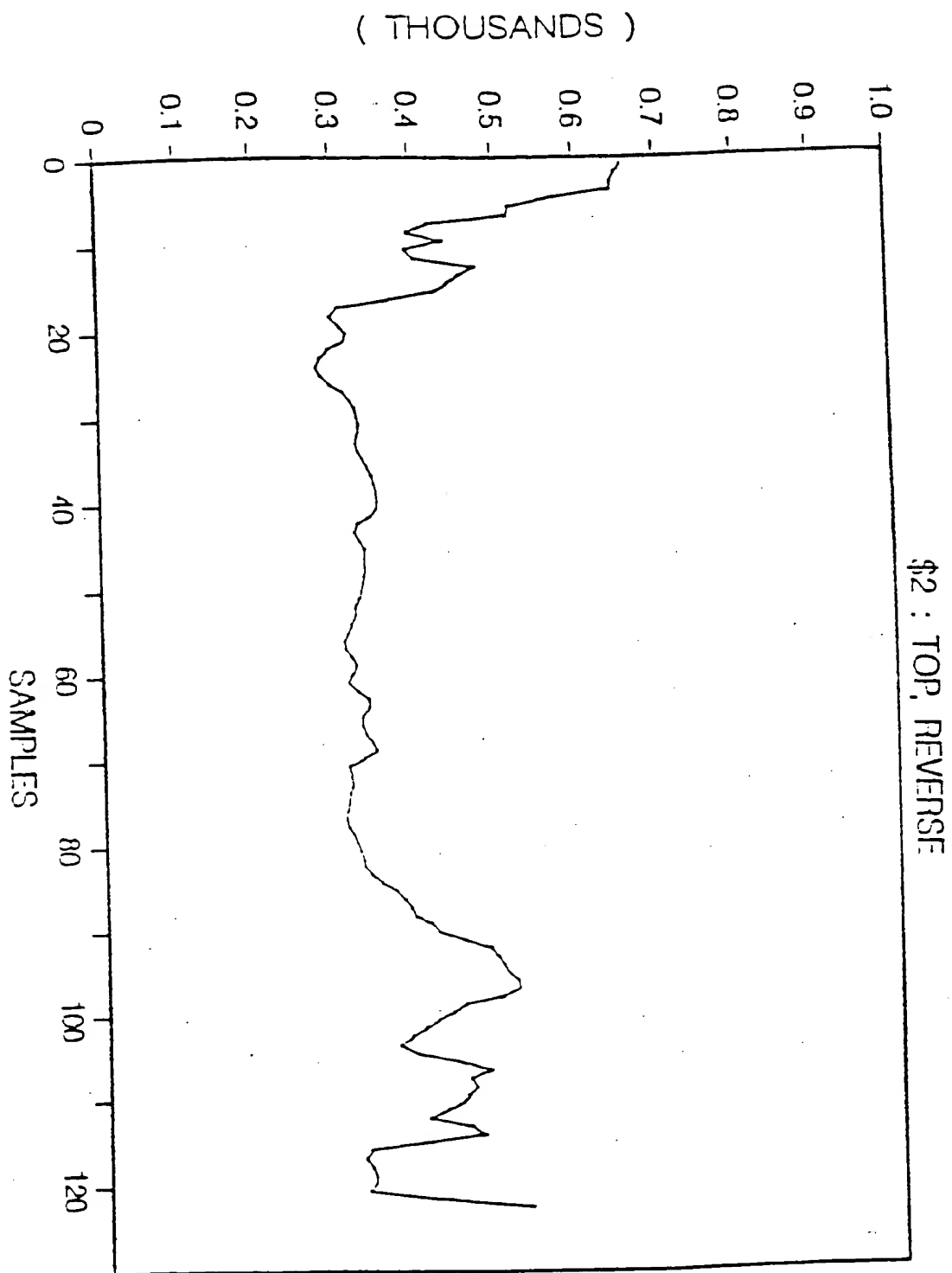


FIG. 15b

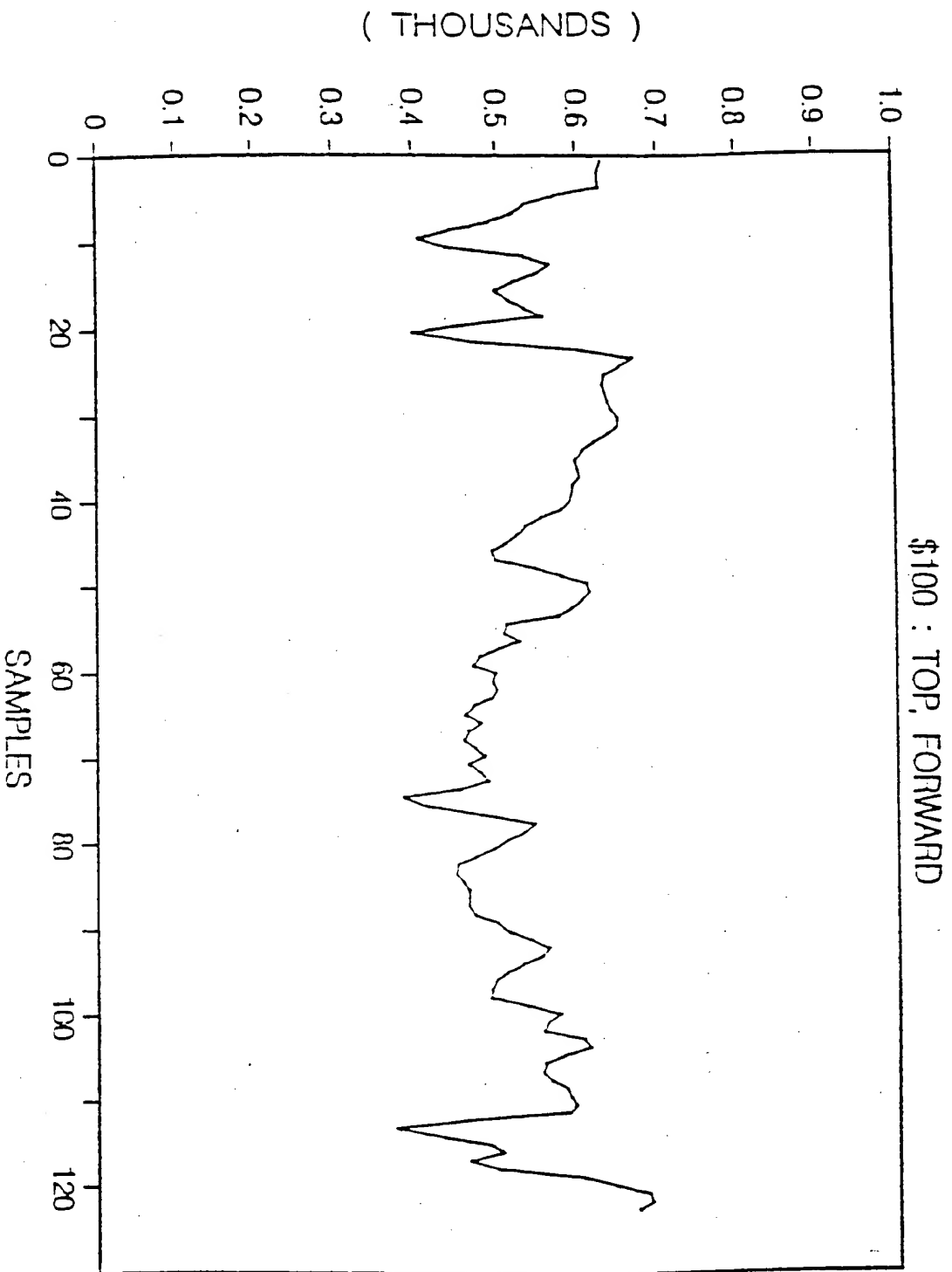


FIG. 15C

20 Dollar Bill

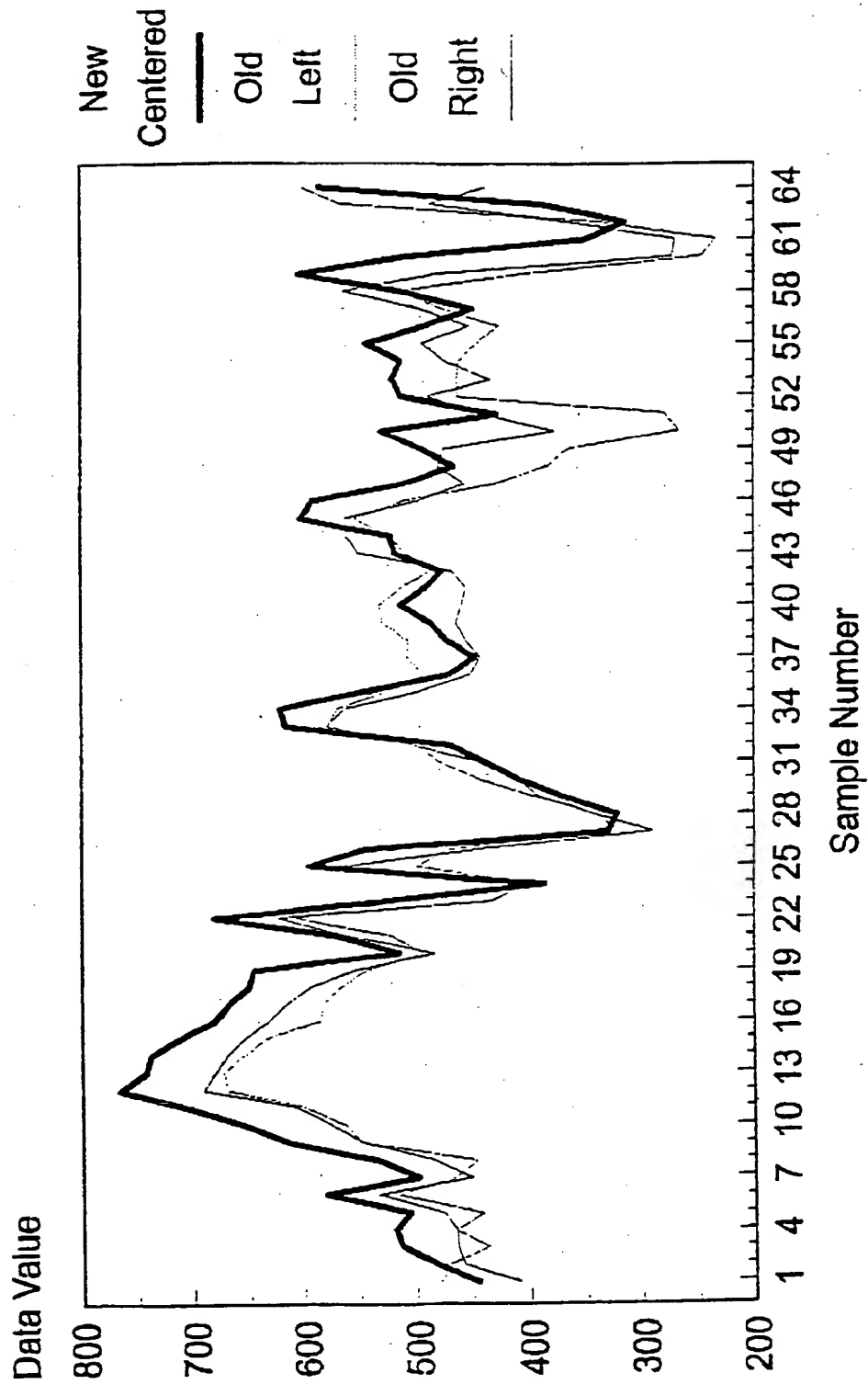


FIG. 15d

\$20 Averaged

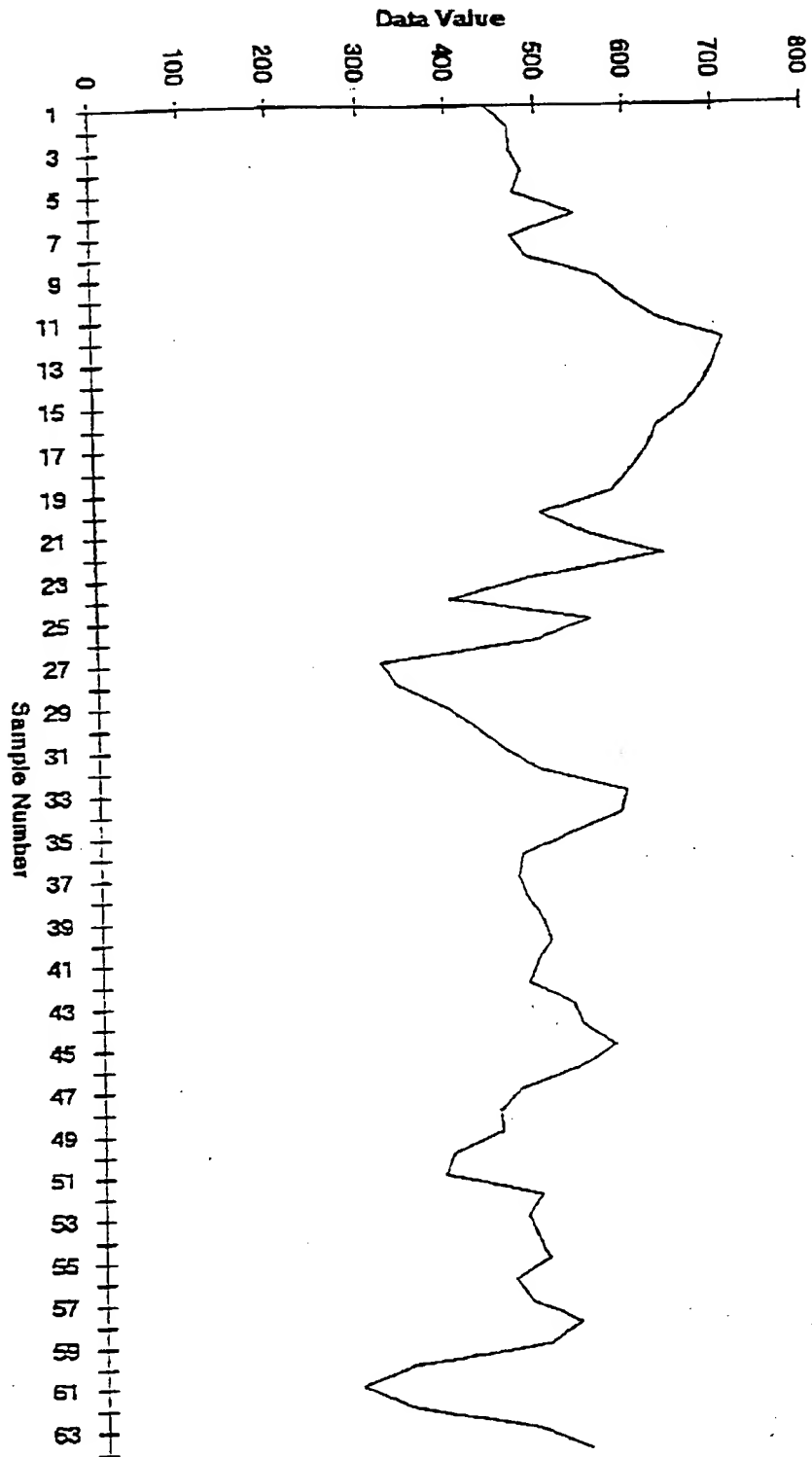


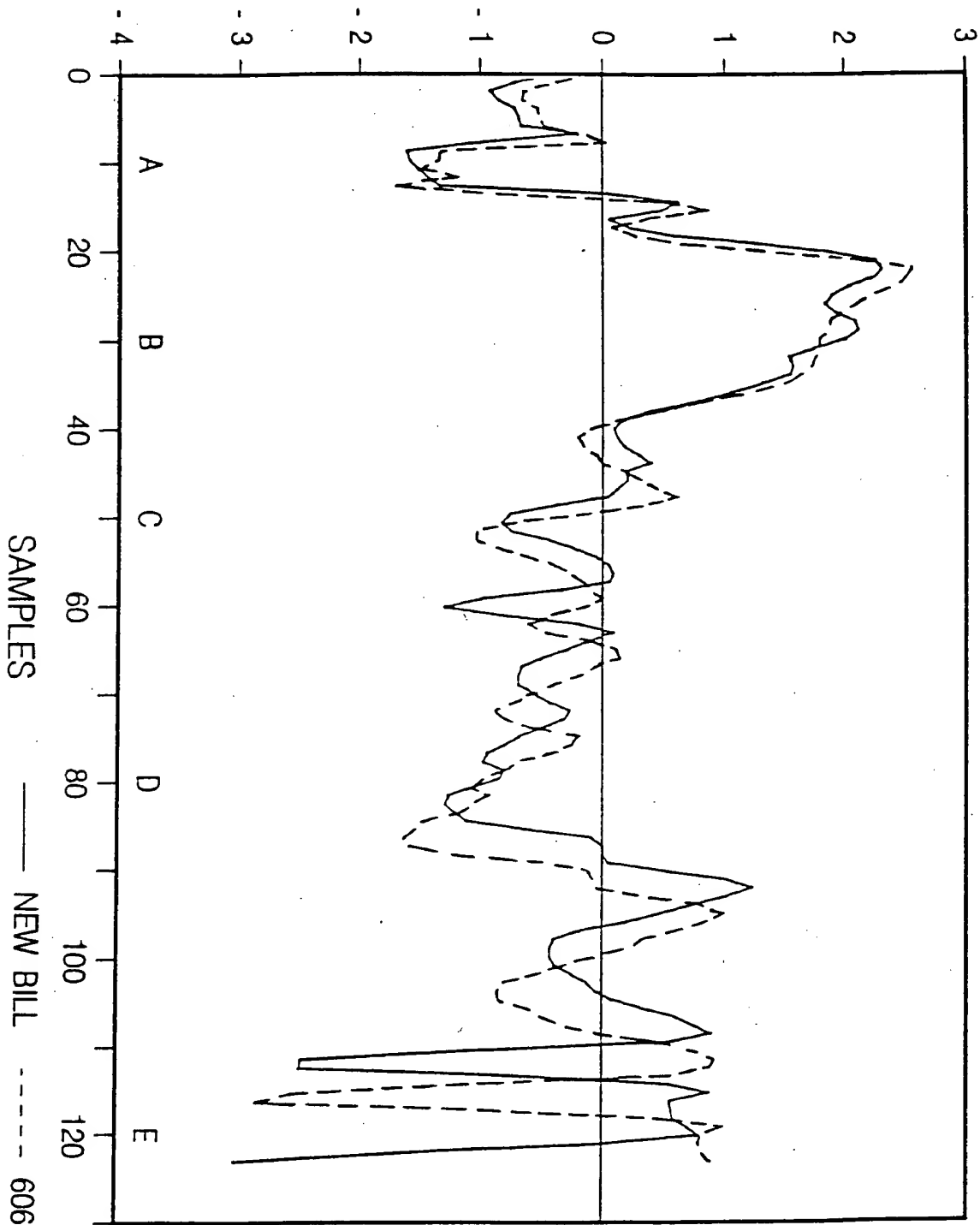
FIG. 15e

8N/CS

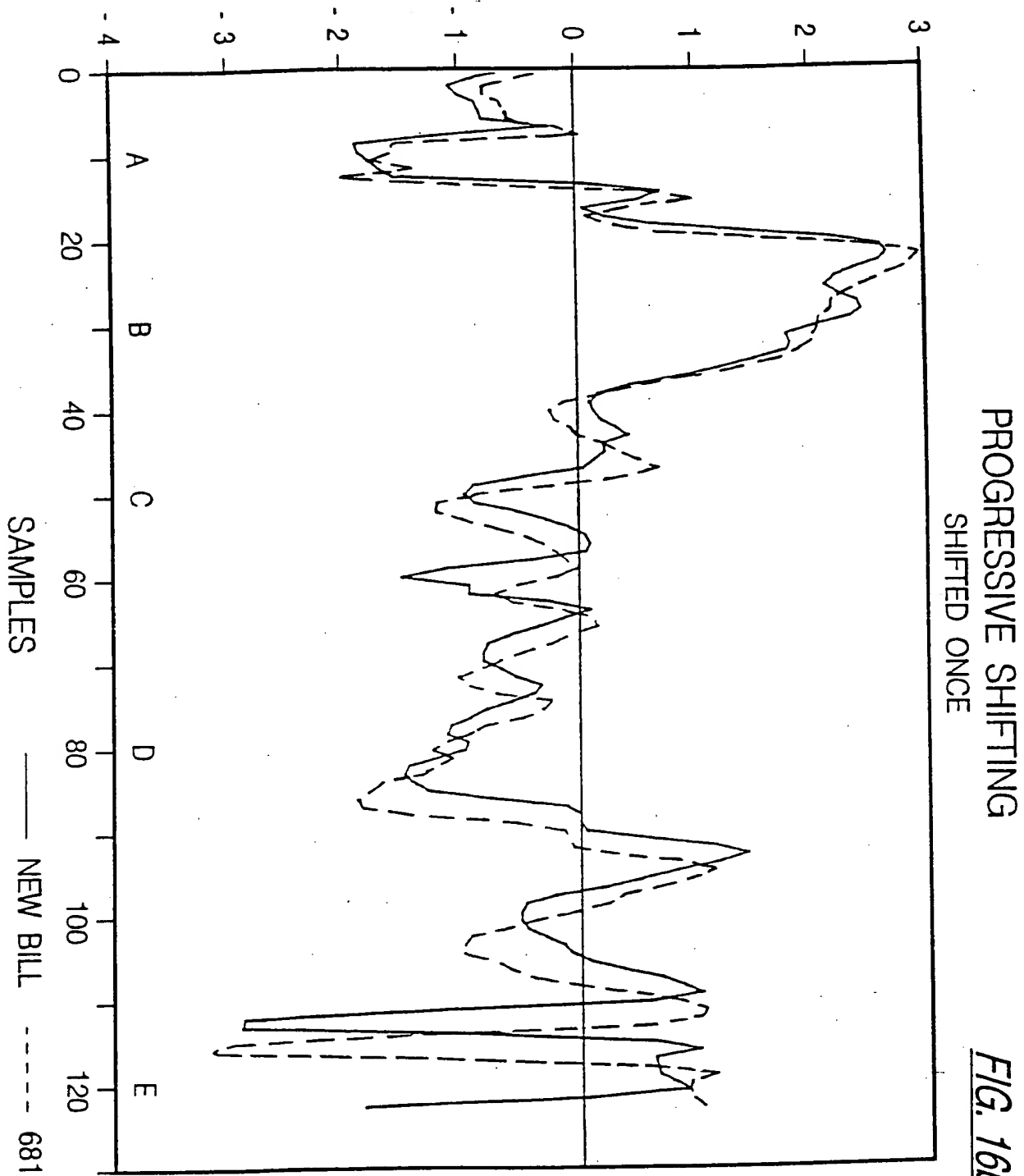
NORMALIZED AND SCALED VALUES (THOUSANDS)

PROGRESSIVE SHIFTING
NO SHIFT

FIG. 16a



NORMALIZED AND SCALED VALUES
(THOUSANDS)

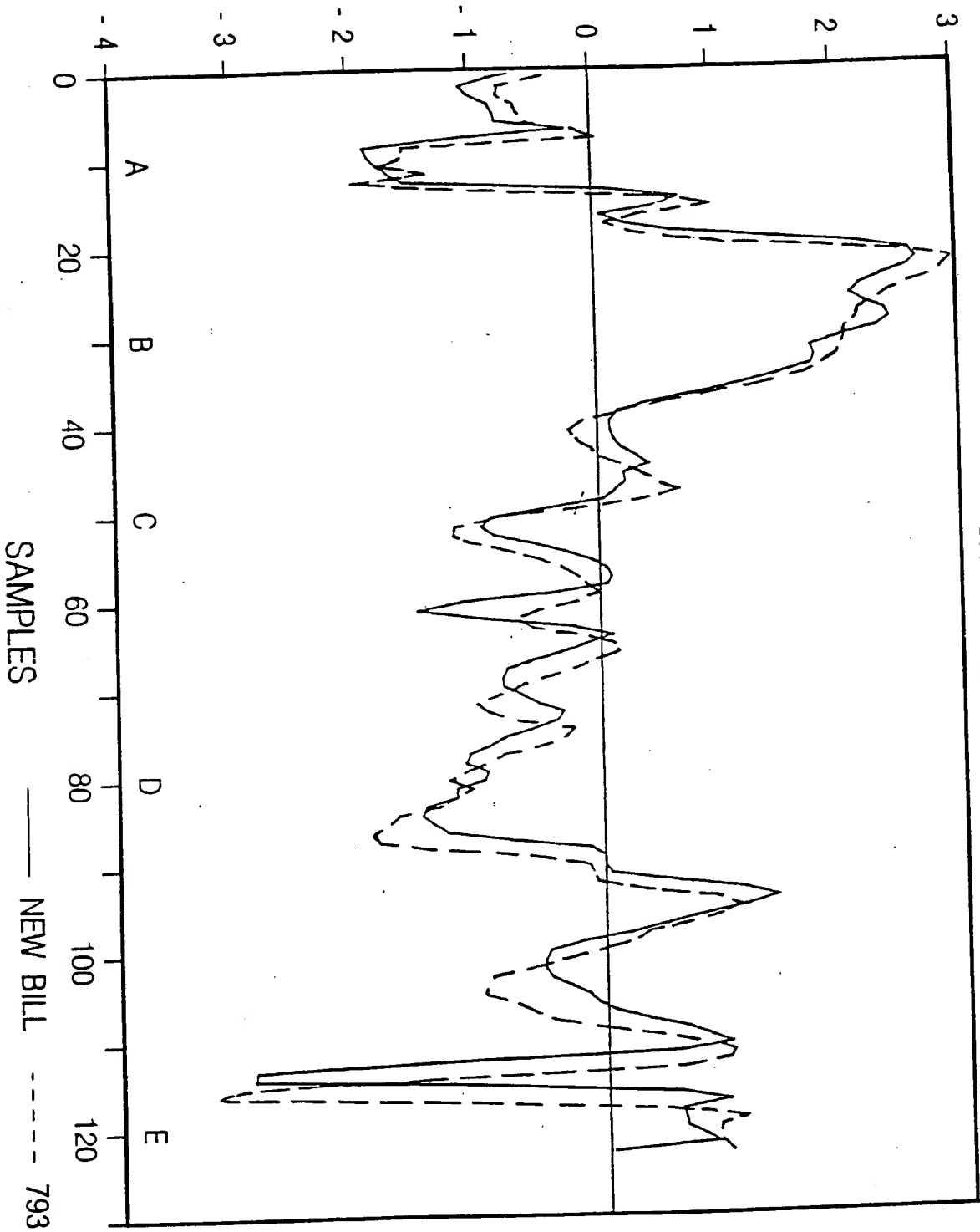


8NYJS

NORMALIZED AND SCALED VALUES (THOUSANDS)

PROGRESSIVE SHIFTING
SHIFTED TWICE

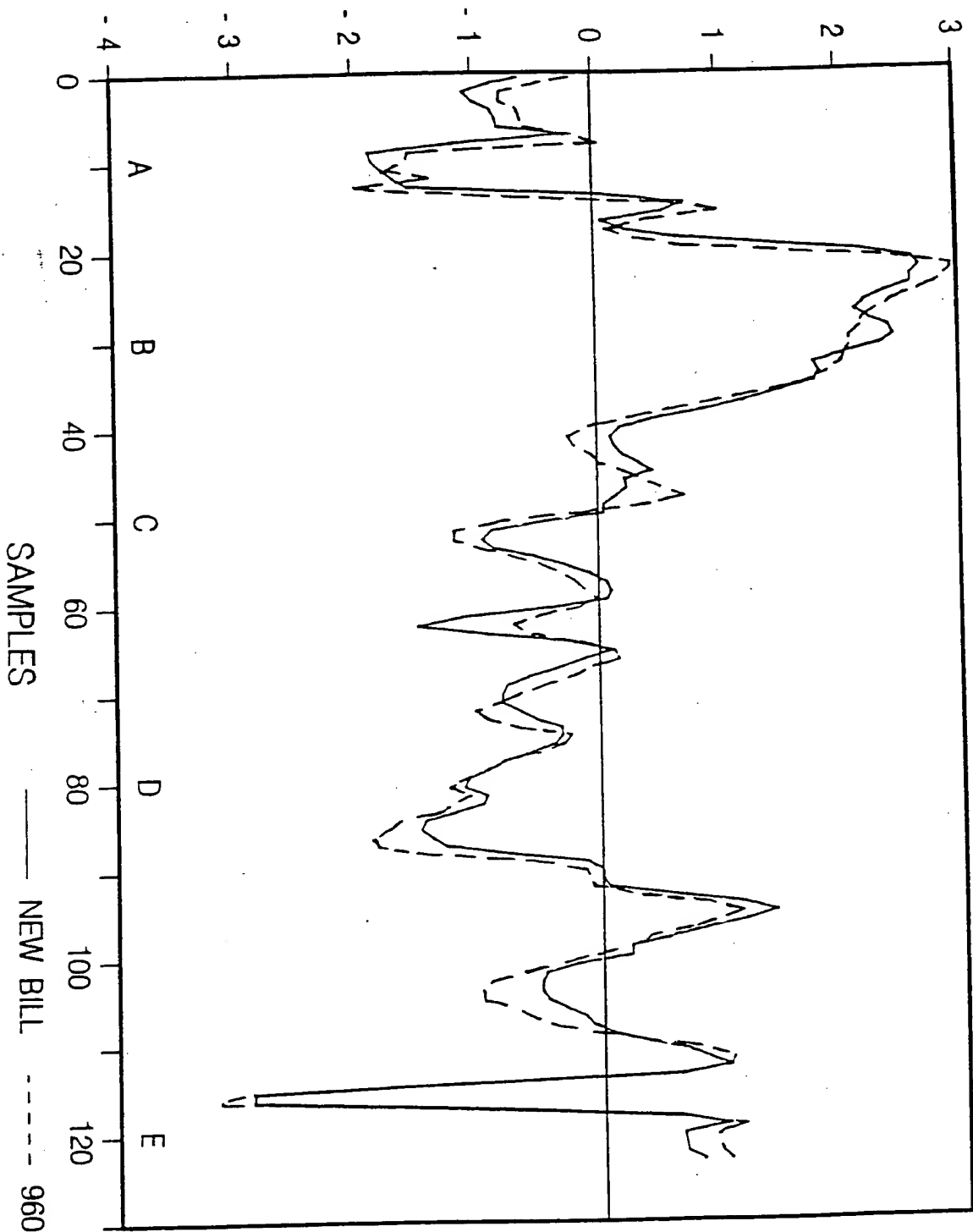
FIG. 16c



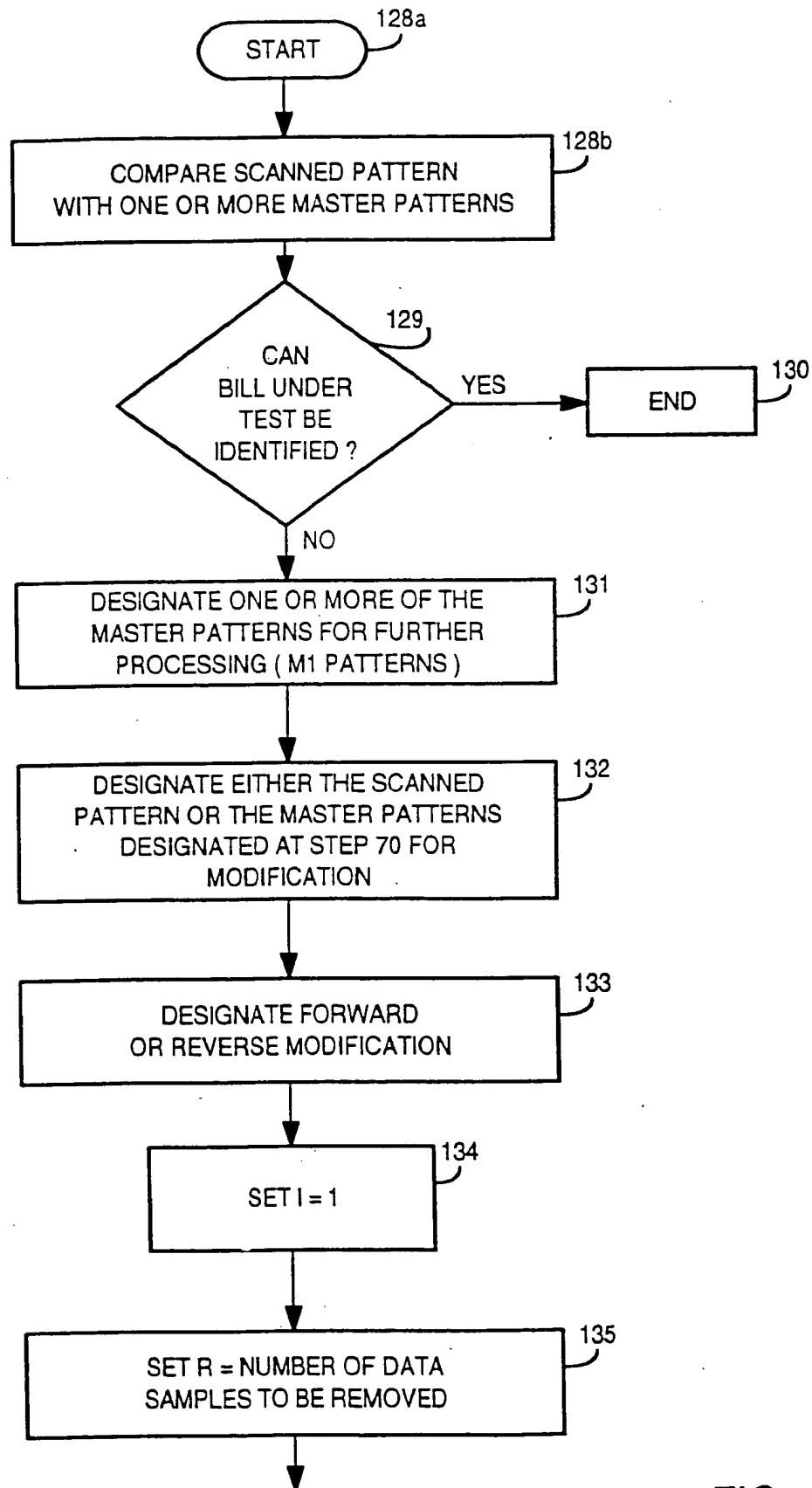
NORMALIZED AND SCALED VALUES (THOUSANDS)

PROGRESSIVE SHIFTING
SHIFTED FOUR TIMES

FIG. 16e



8NVD5

*FIG. 17a*

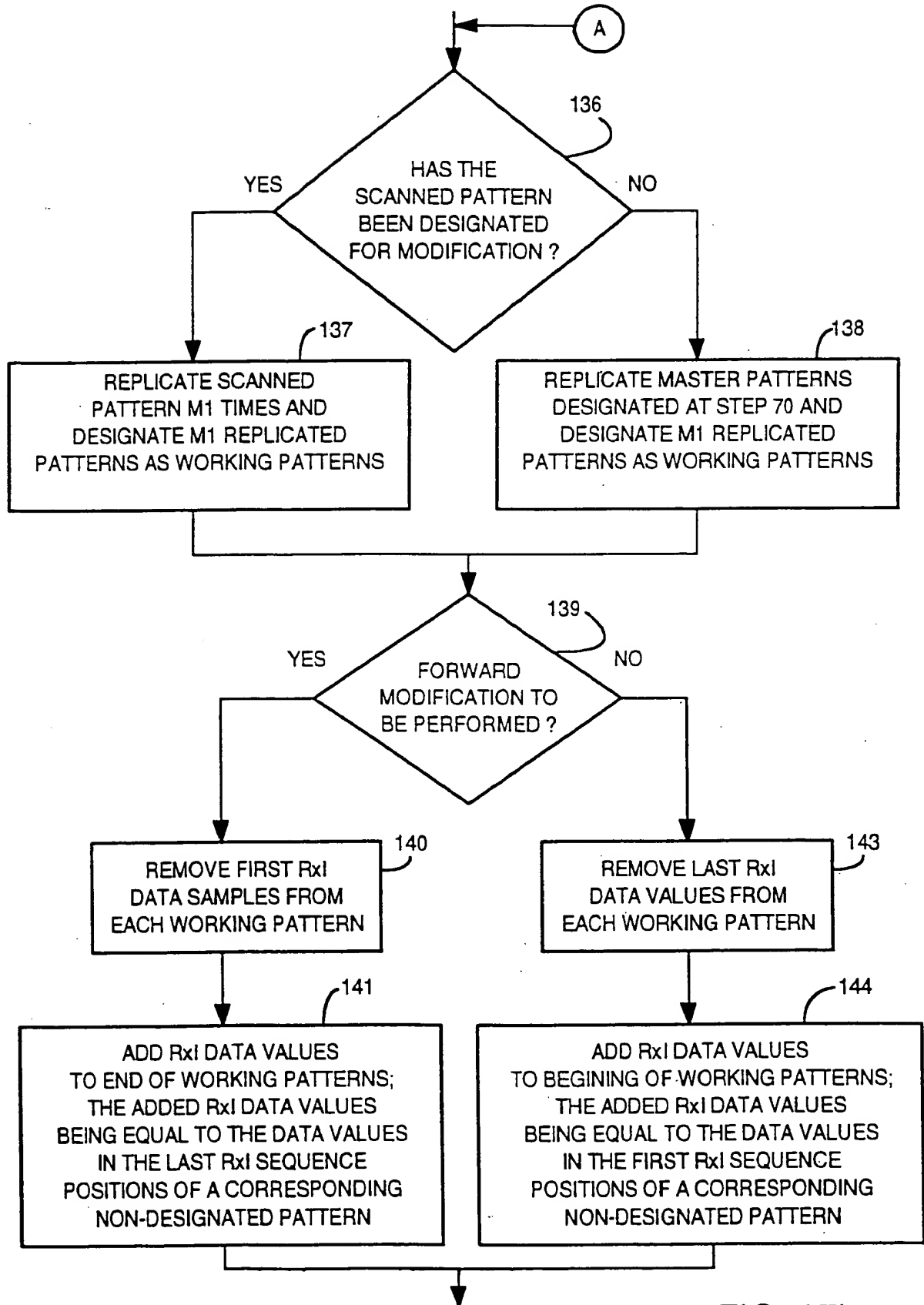
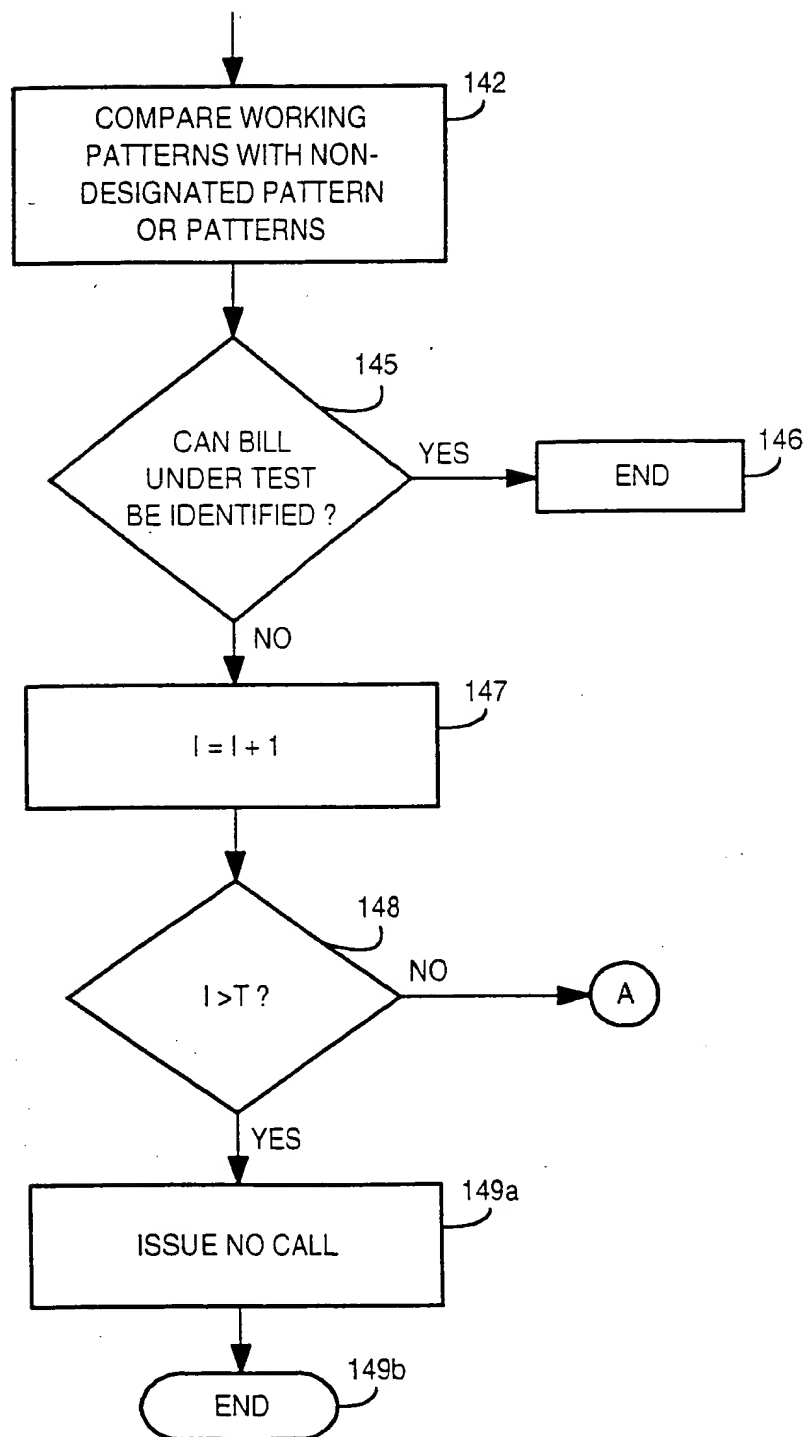


FIG. 17b

*FIG. 17c*

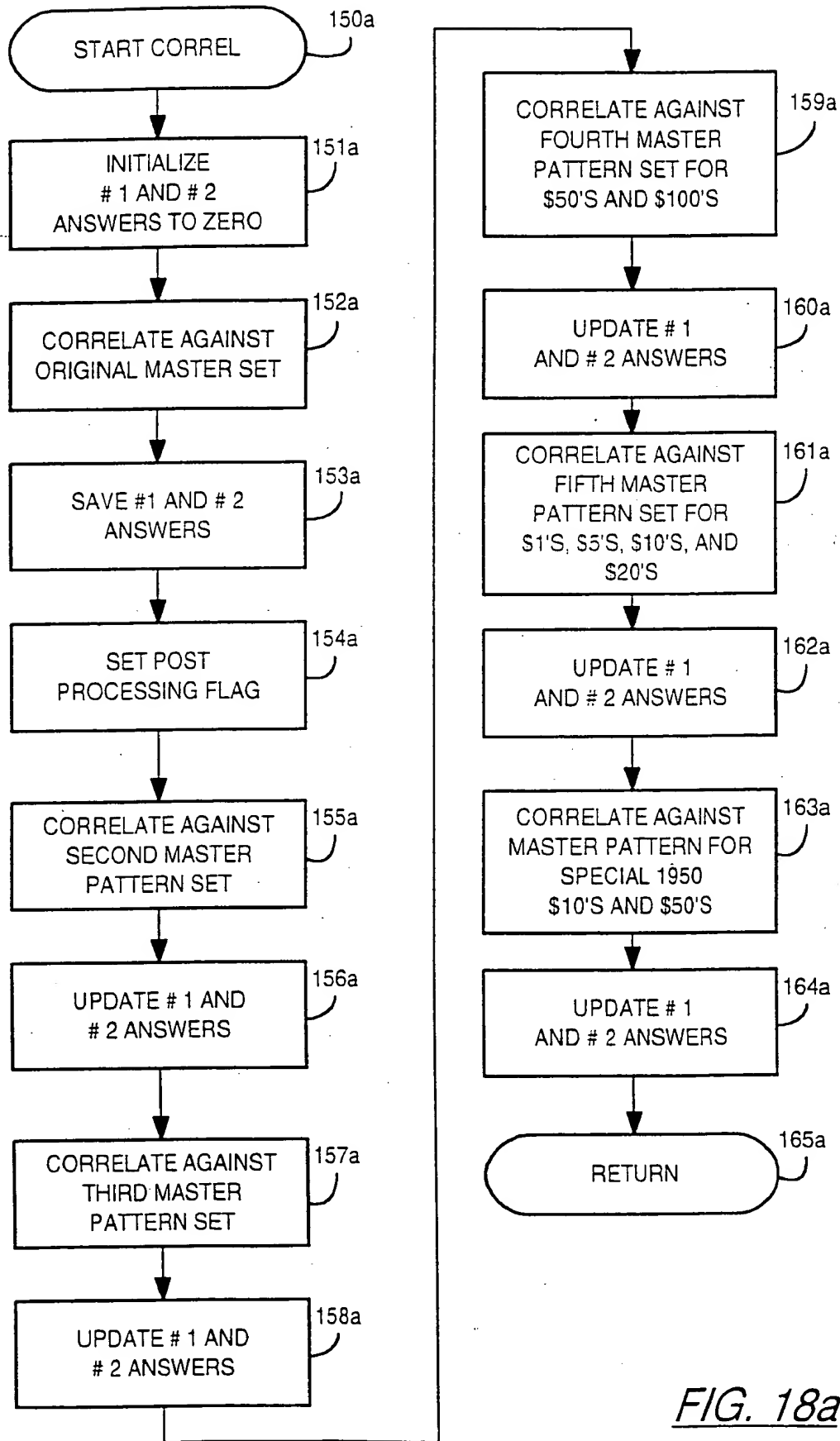


FIG. 18a

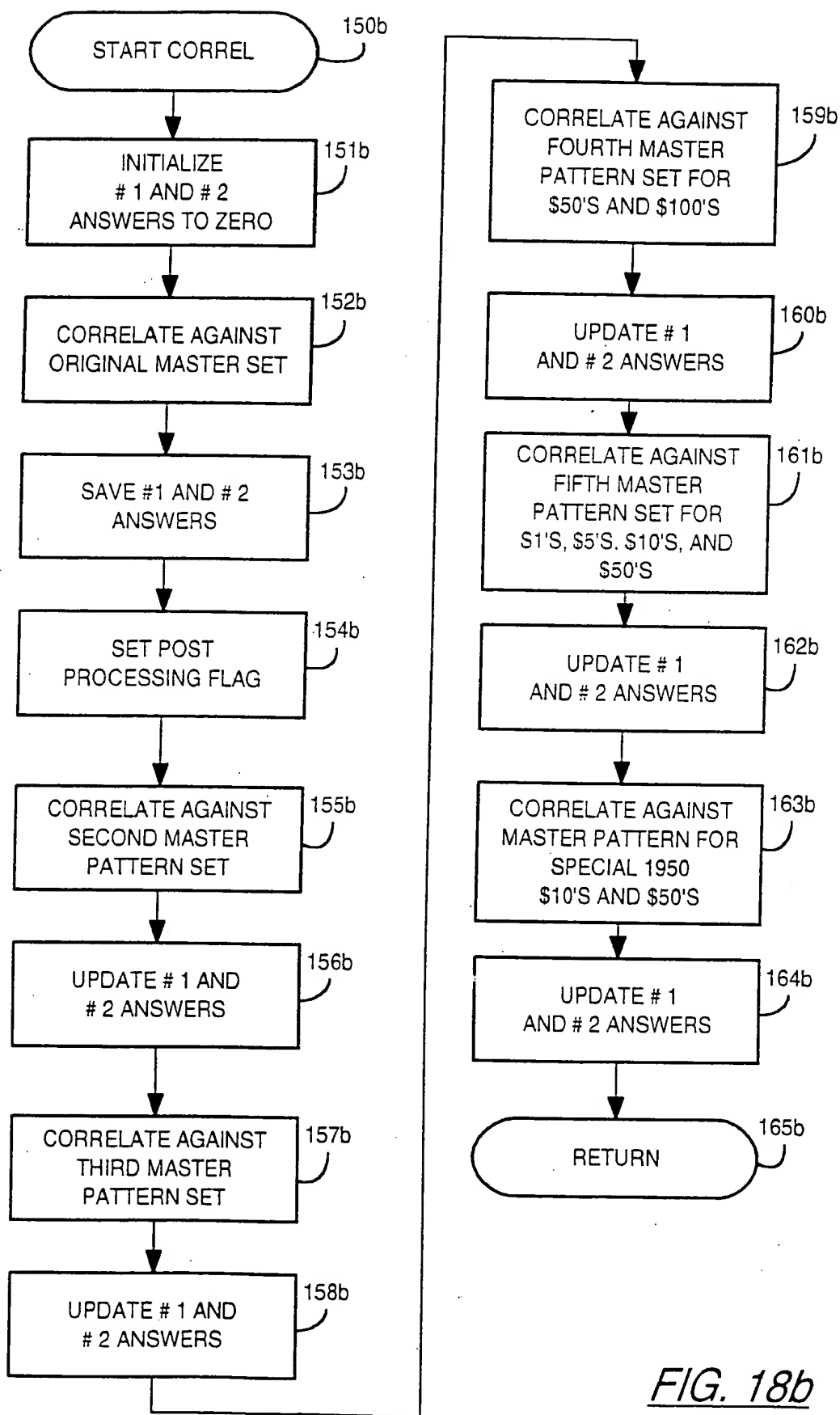


FIG. 18b

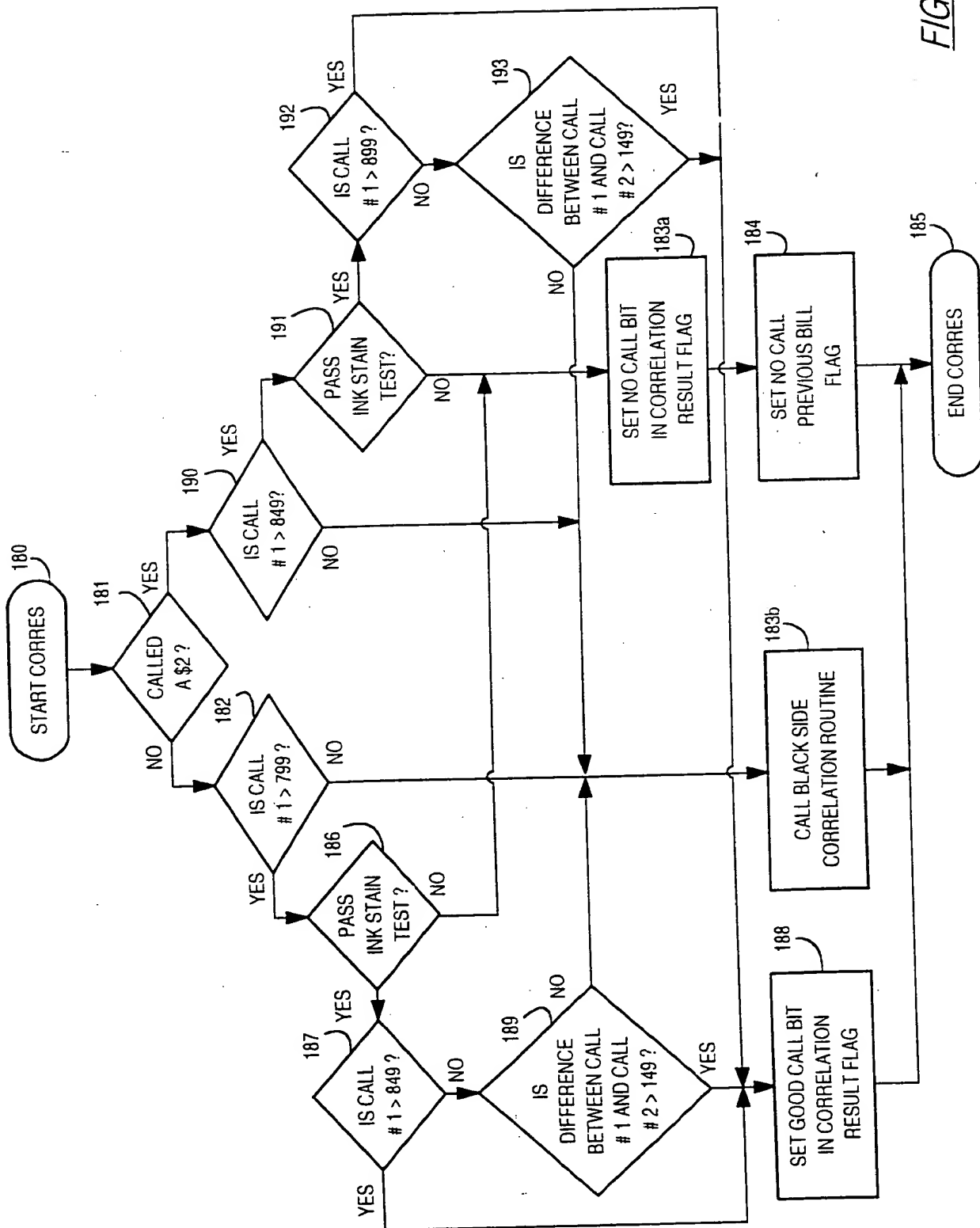


FIG. 19a

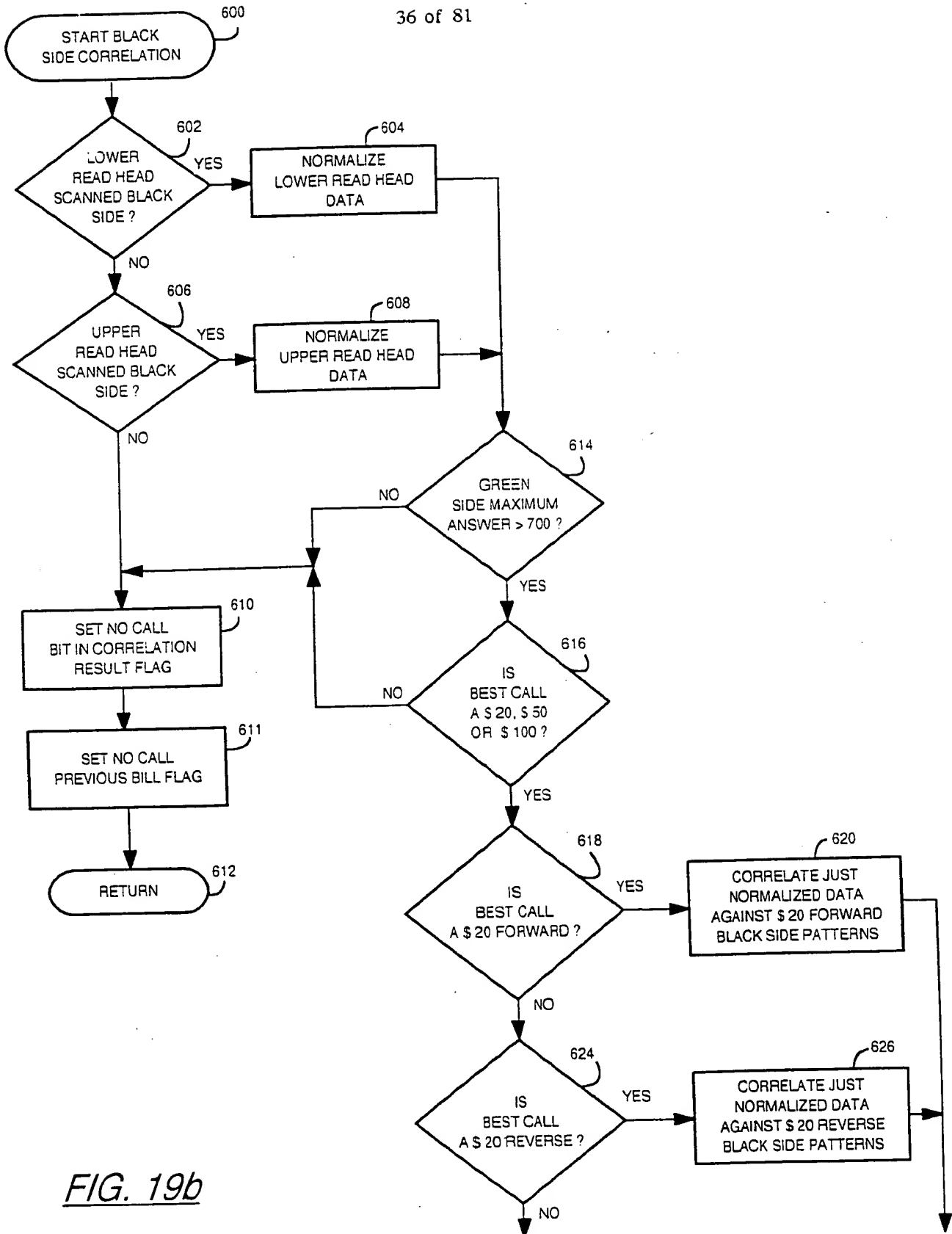


FIG. 19b

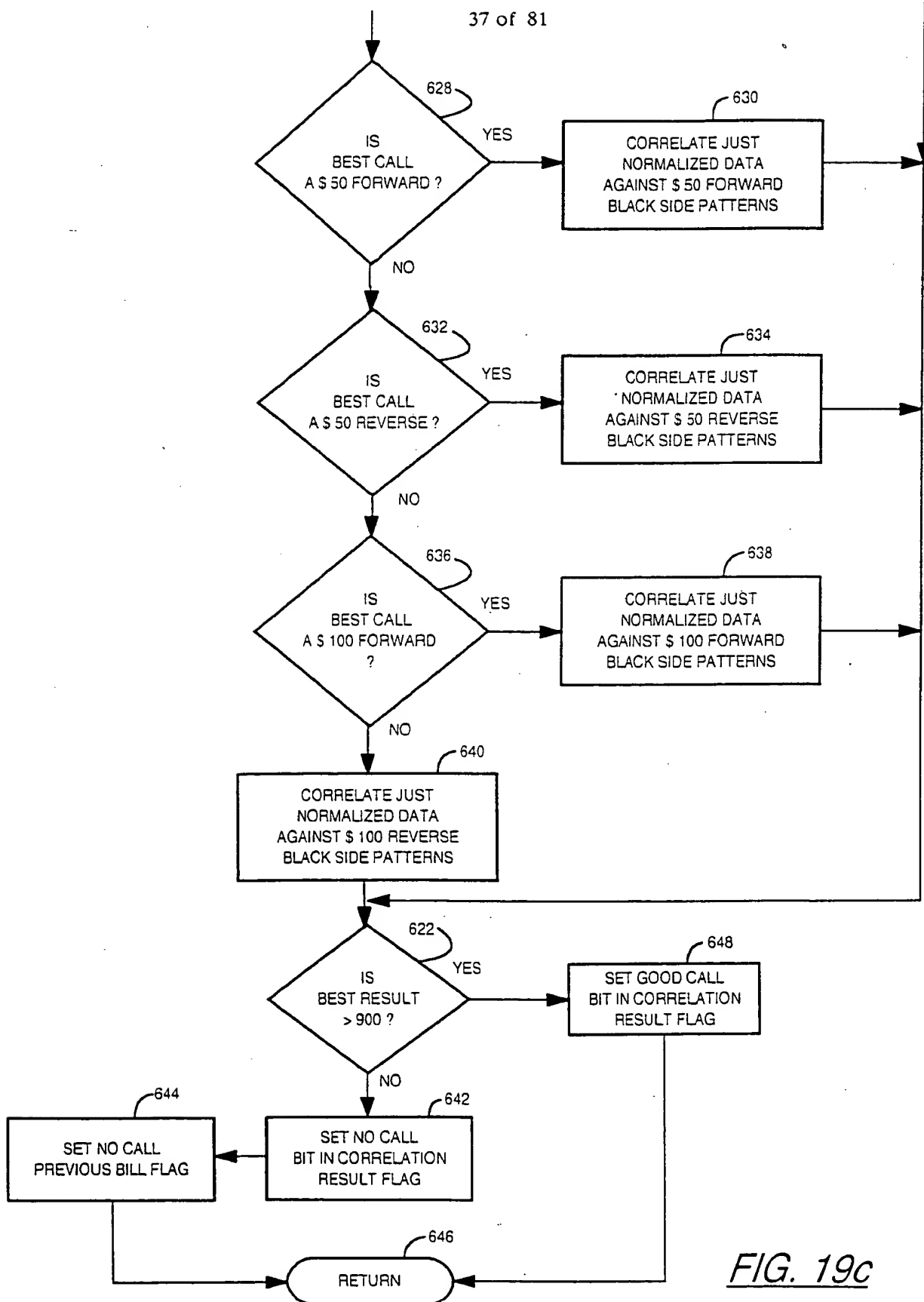


FIG. 19c

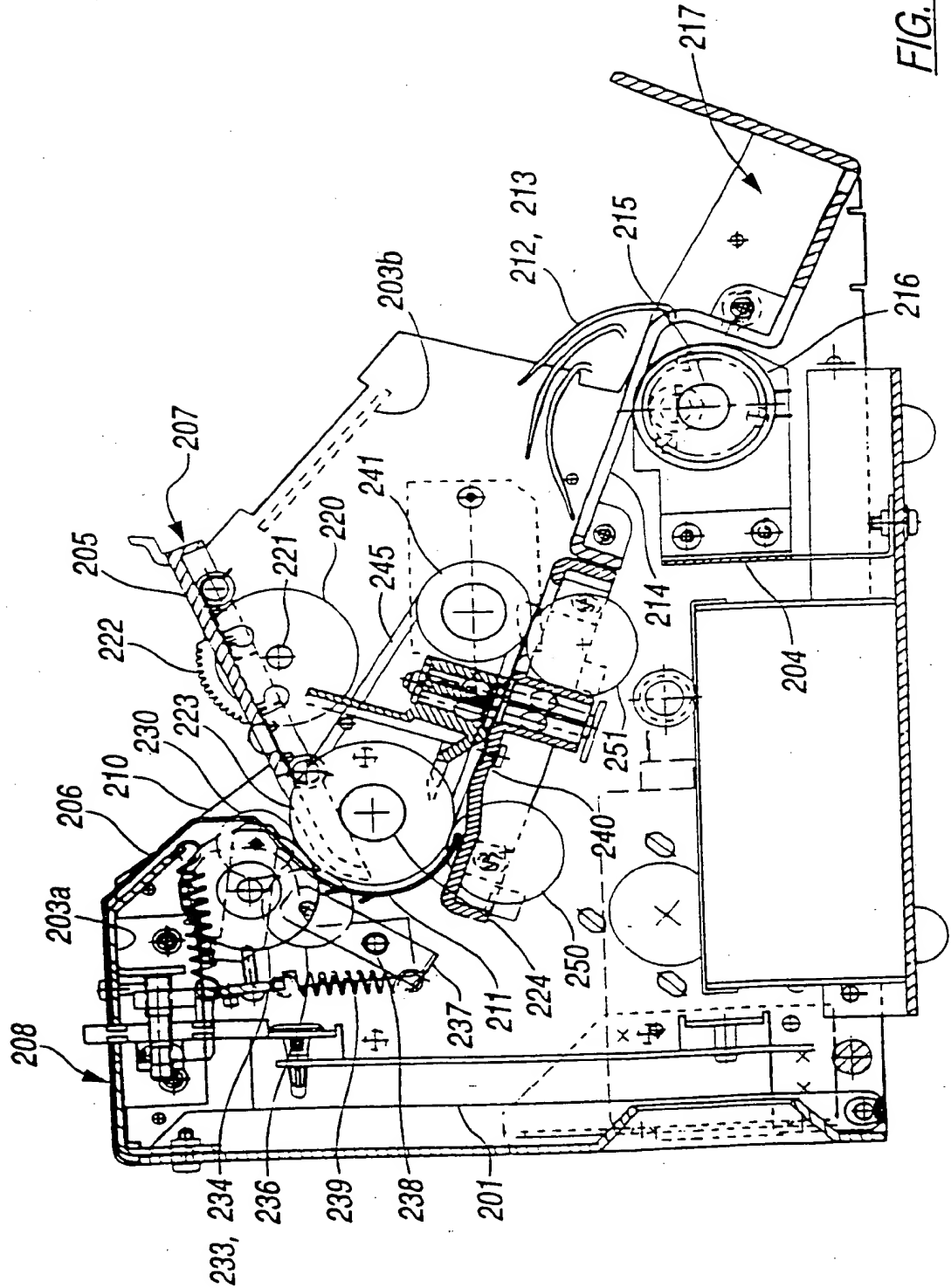


FIG. 20a

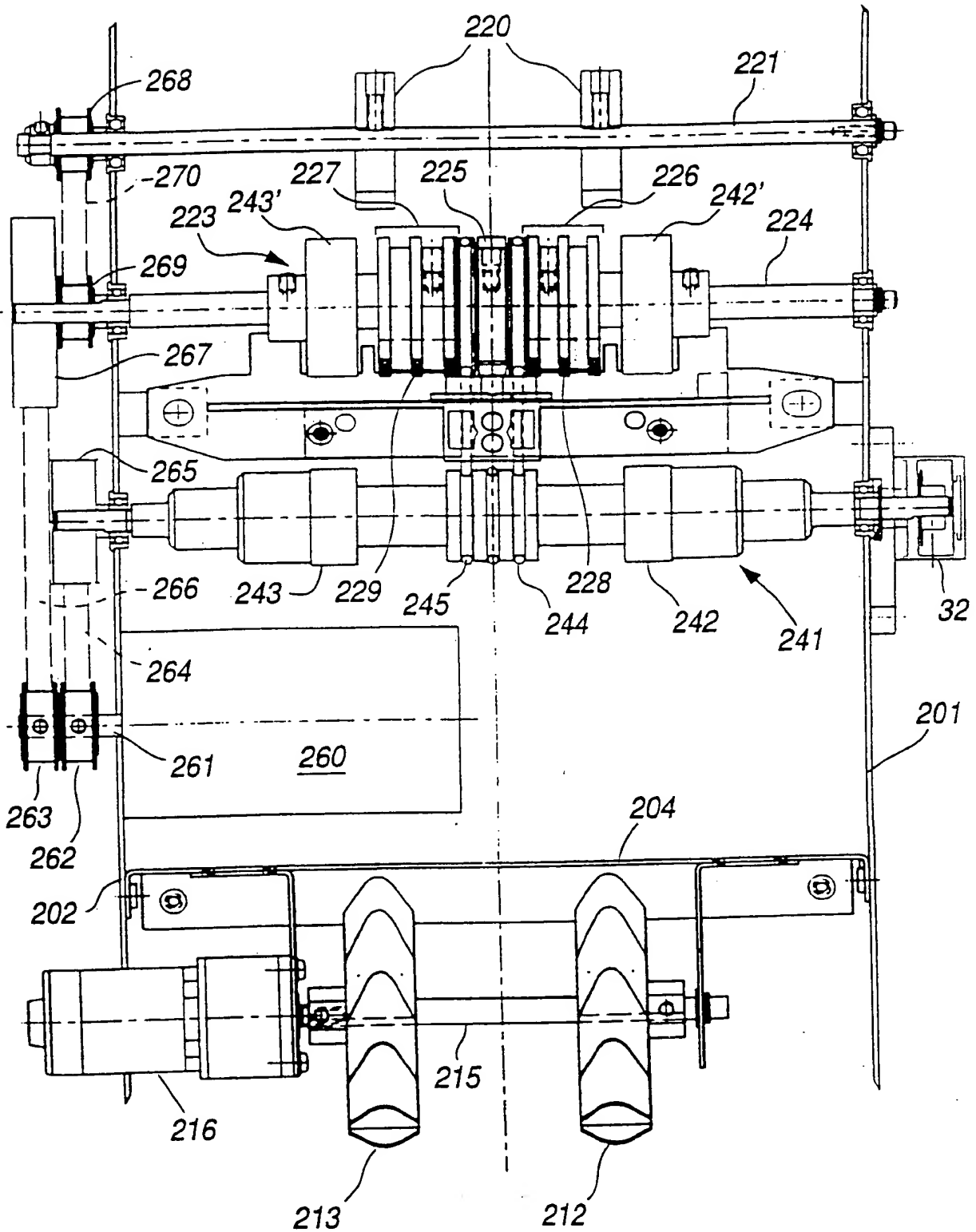
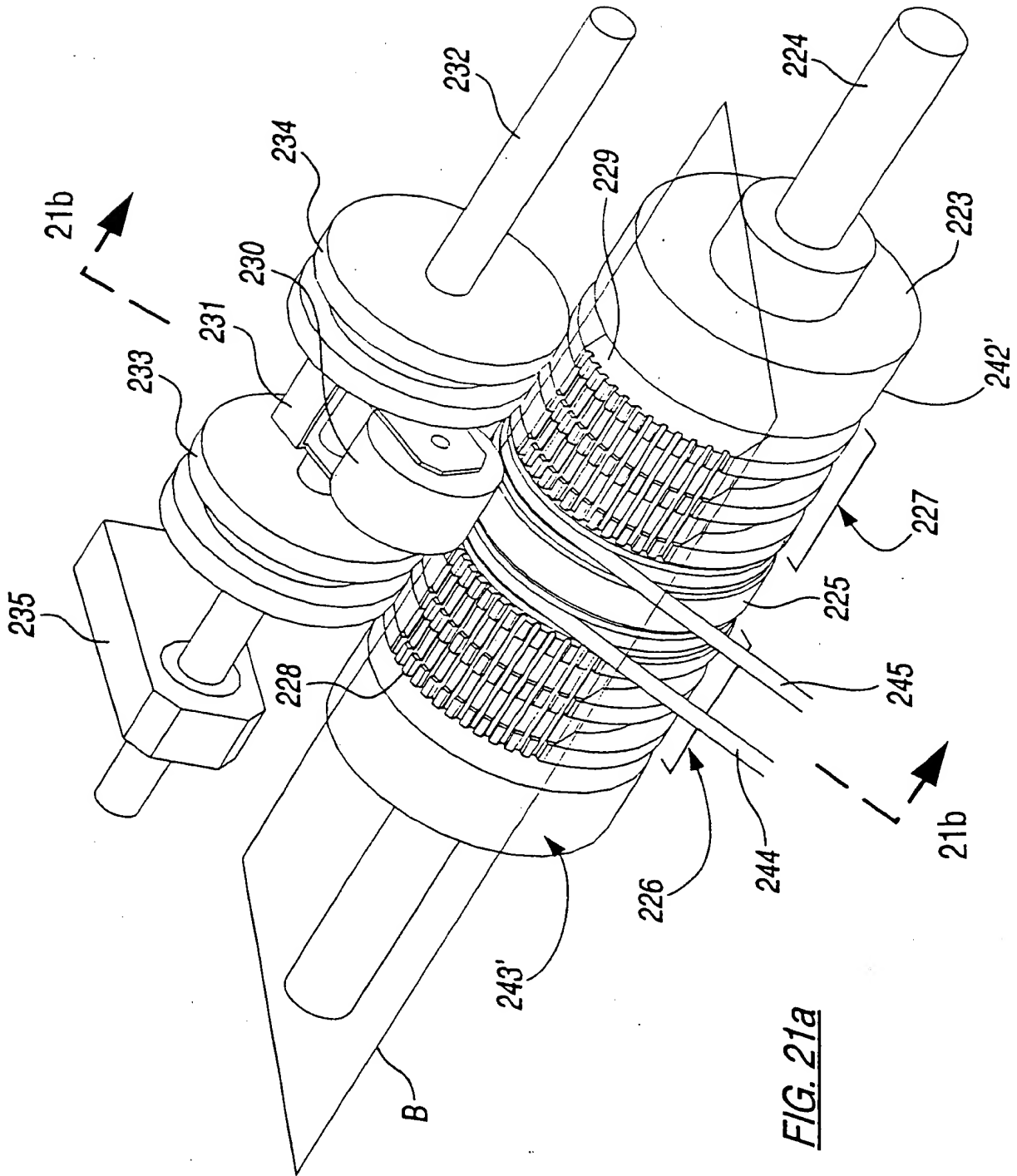


FIG. 20b



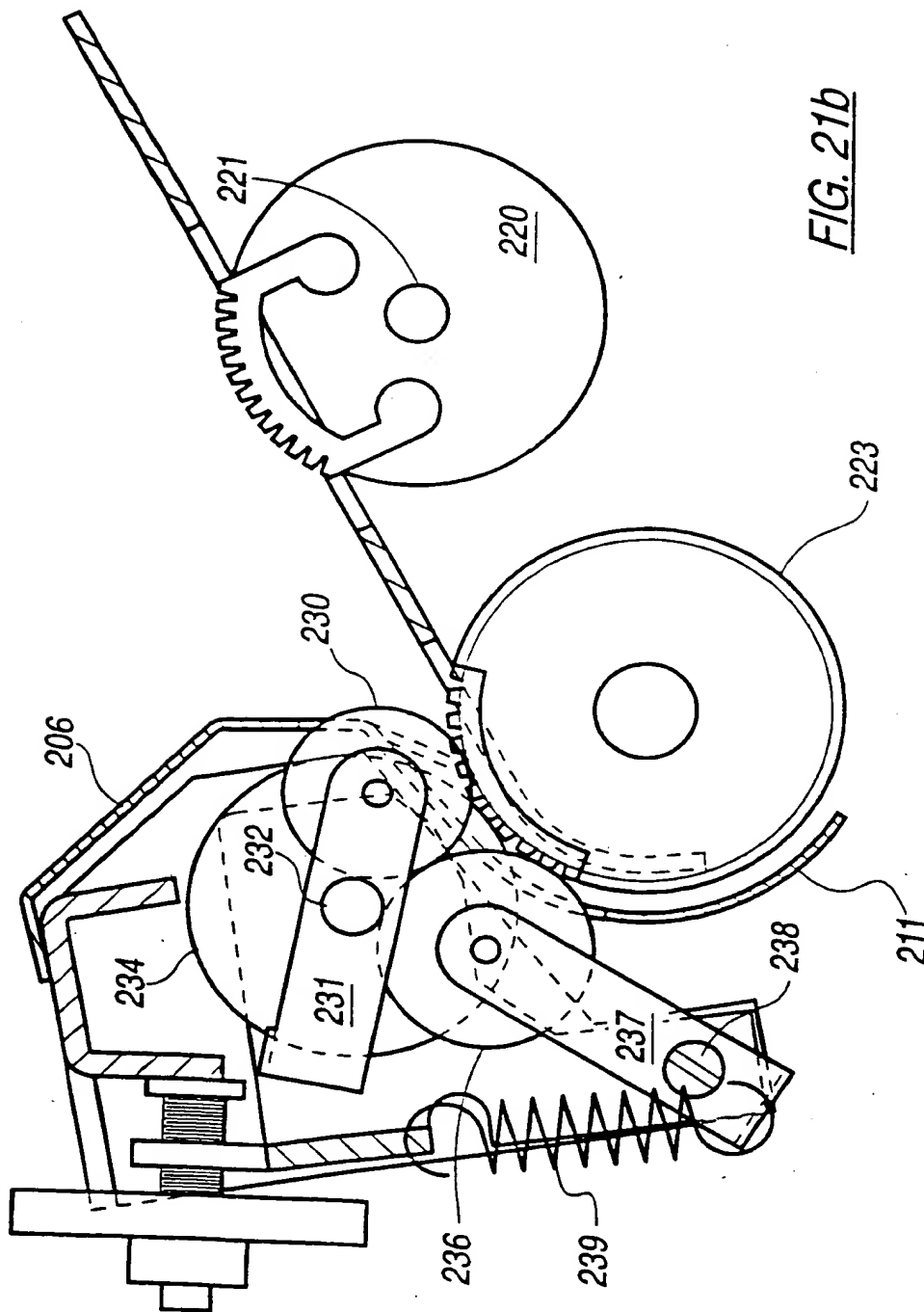


FIG. 21b

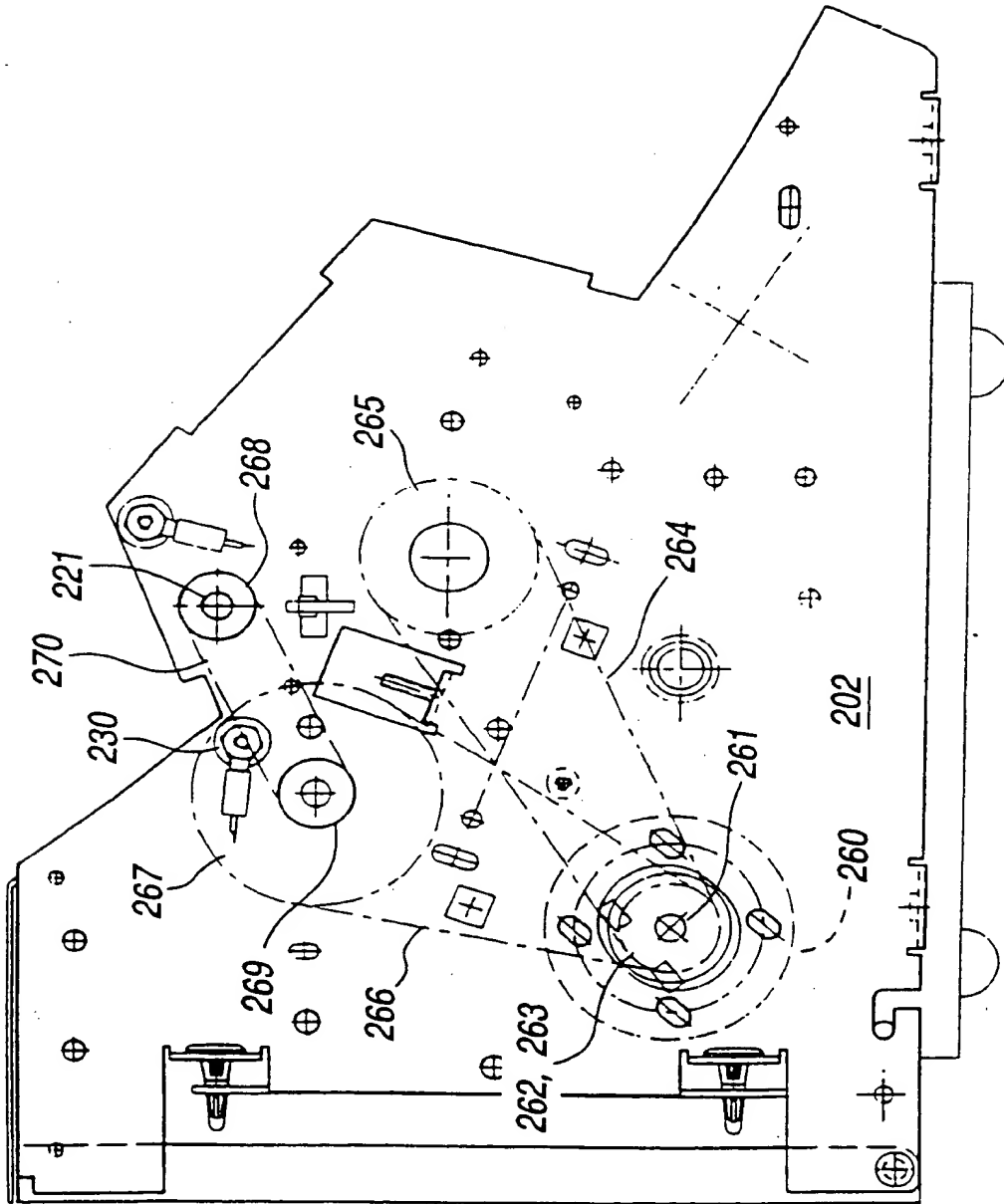


FIG. 22

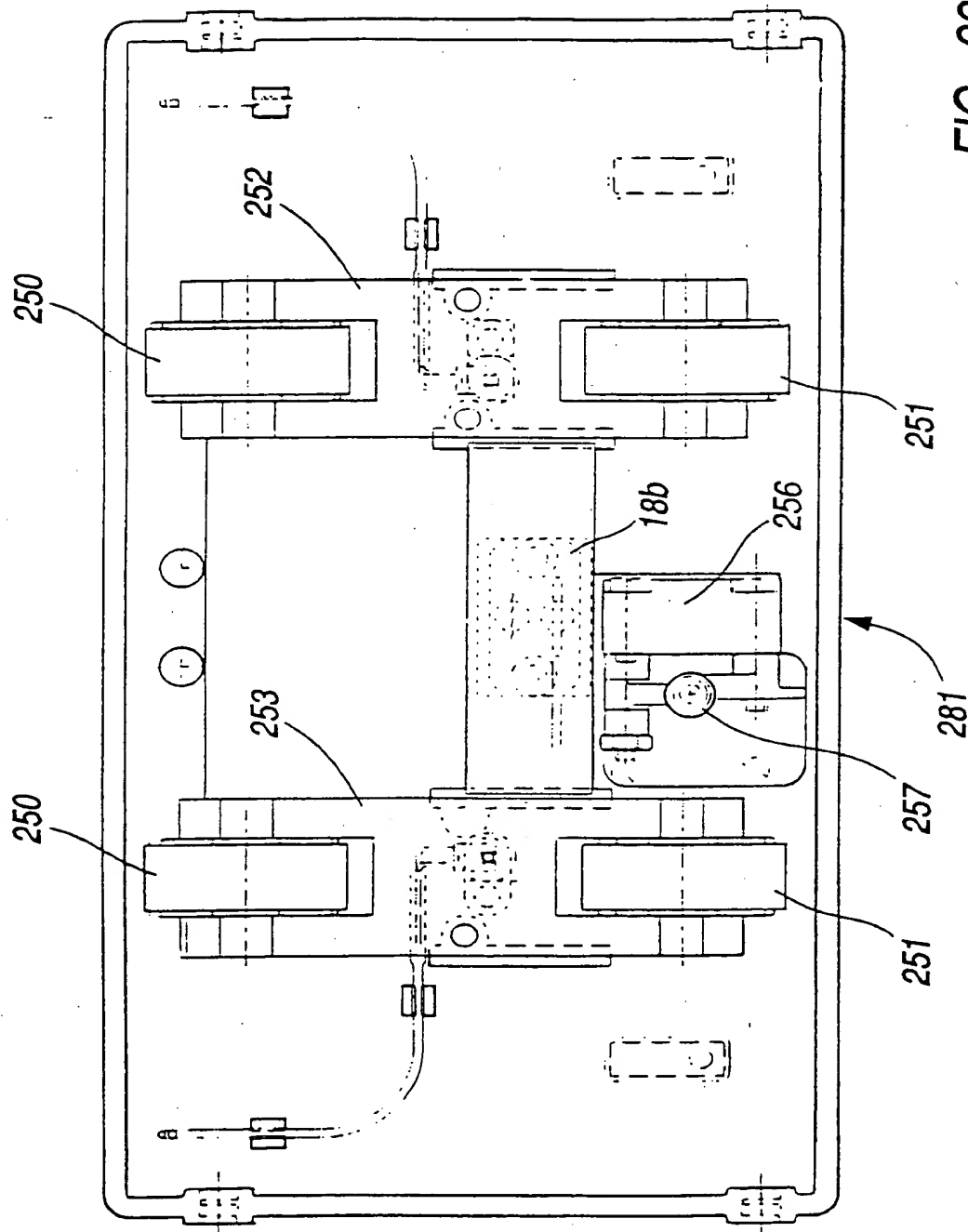


FIG. 23

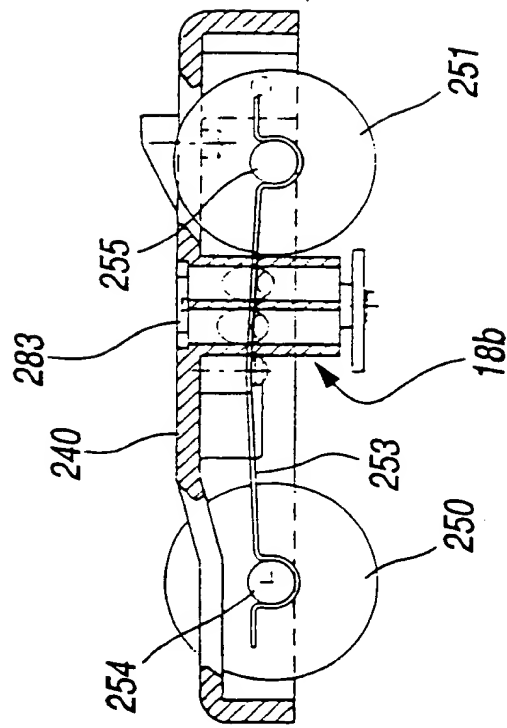


FIG. 24

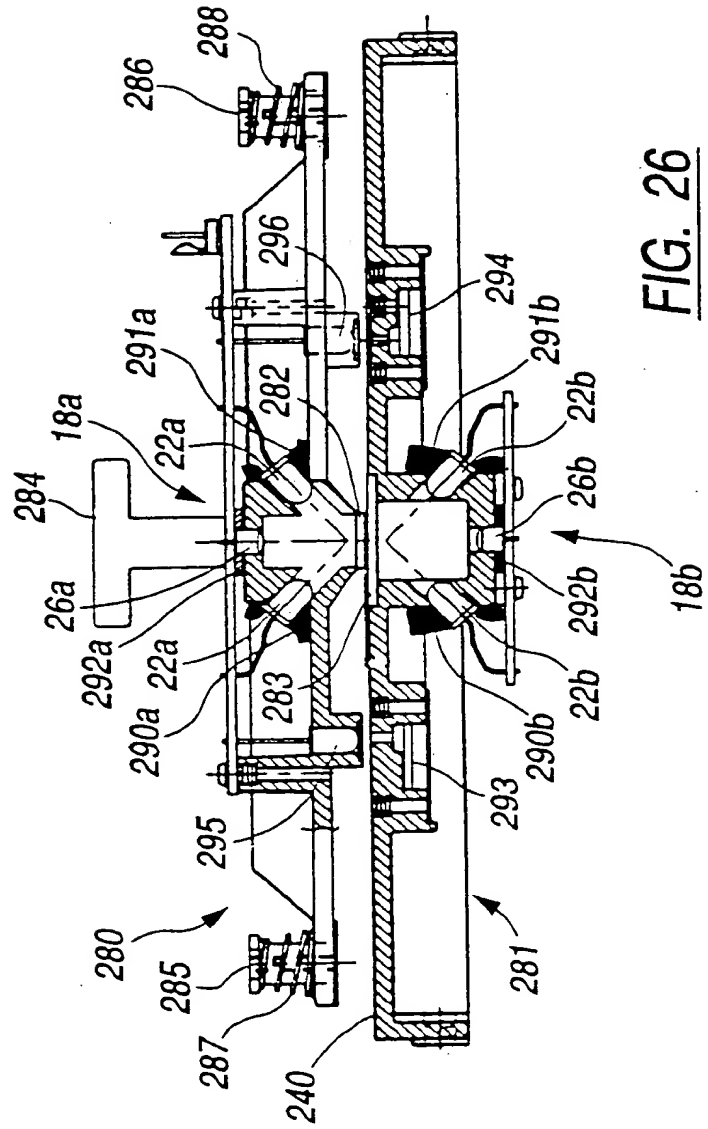


FIG. 26

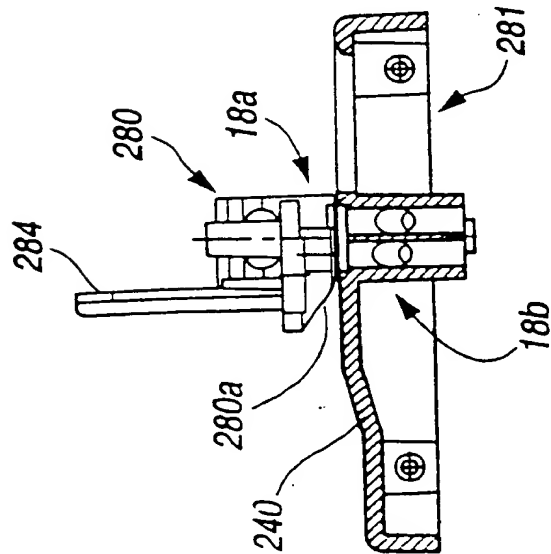


FIG. 25

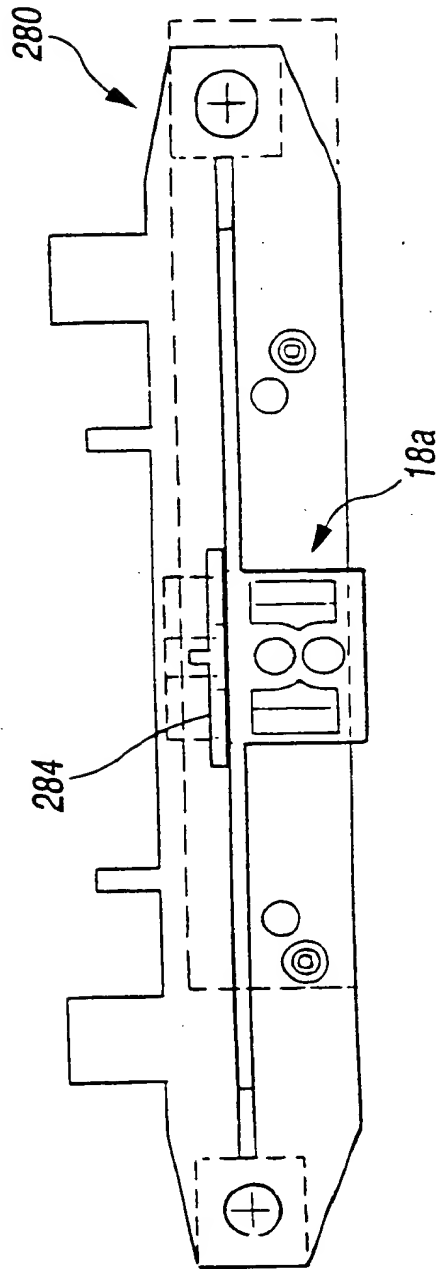


FIG. 27

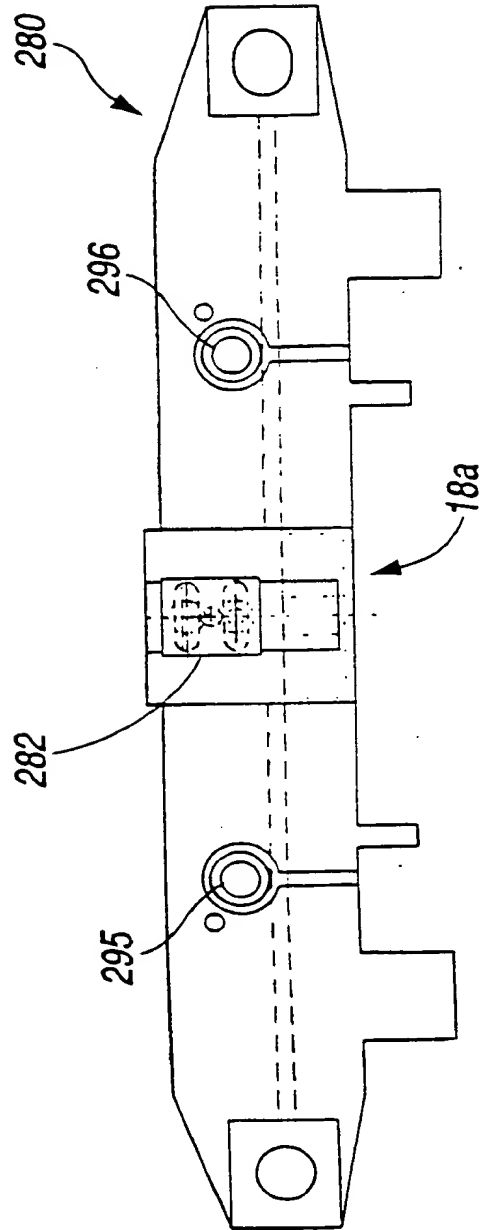


FIG. 28

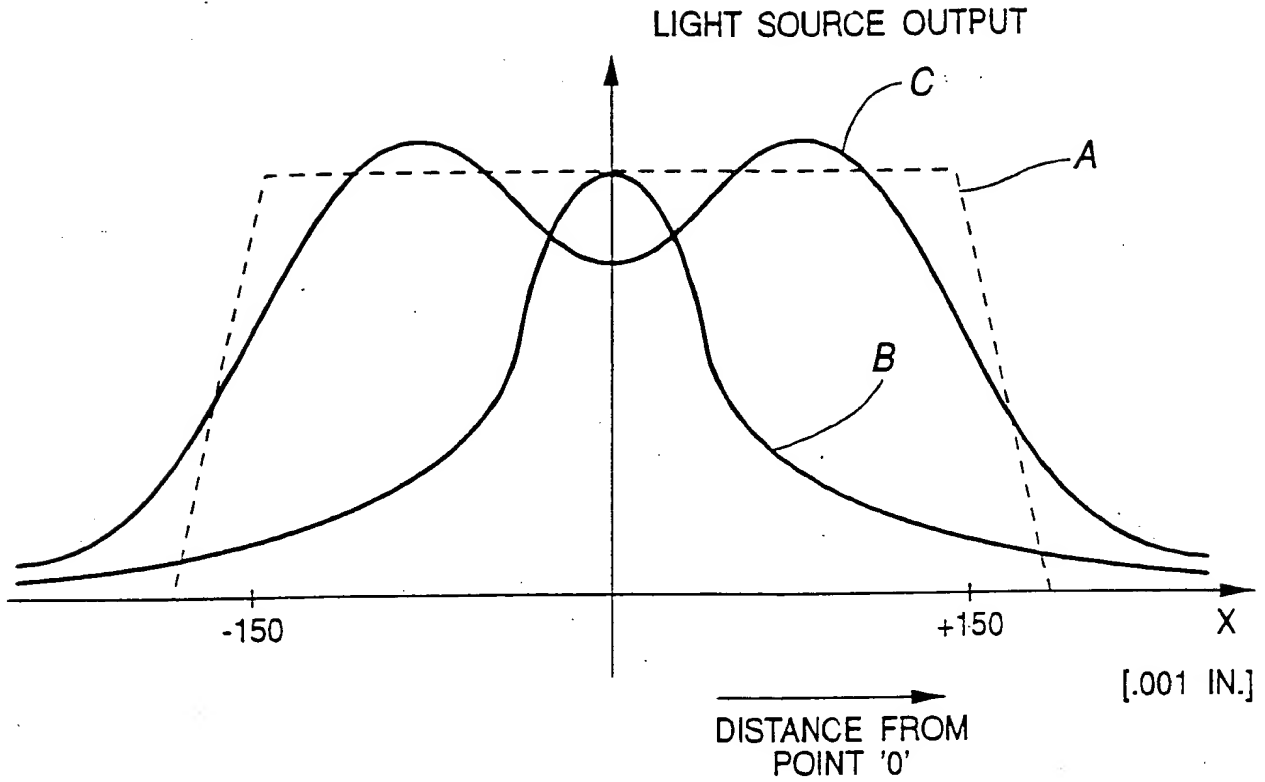


FIG. 29

DIRECTION OF
BILL FLOW

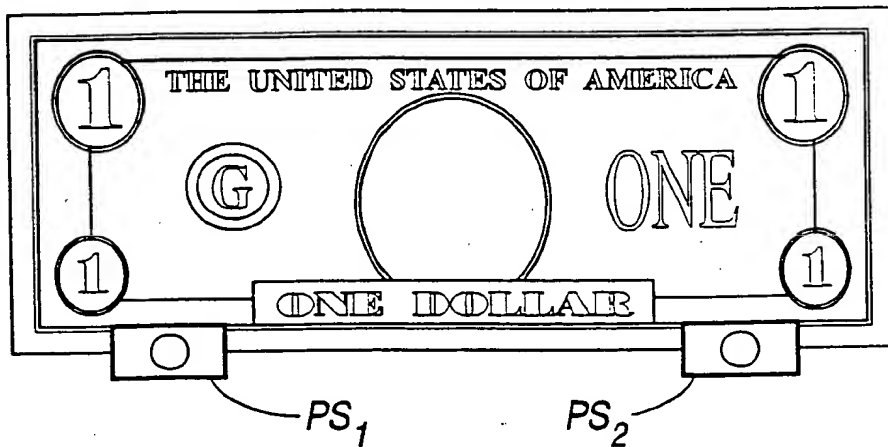


FIG. 30a

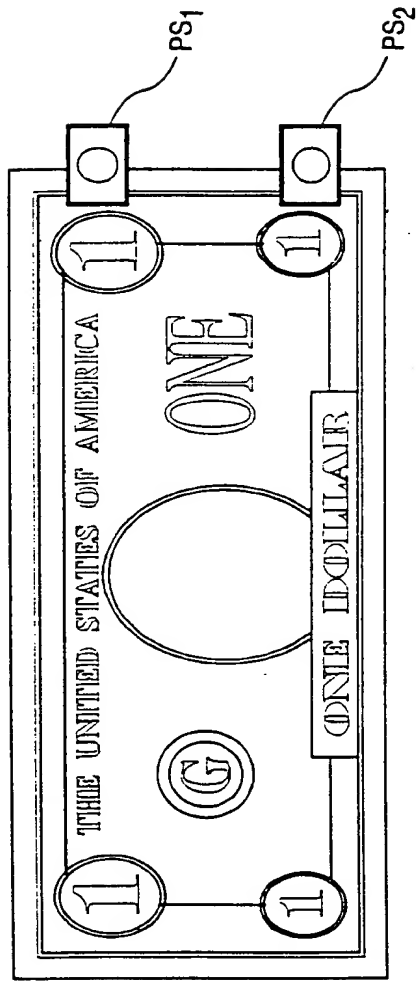


FIG. 30b

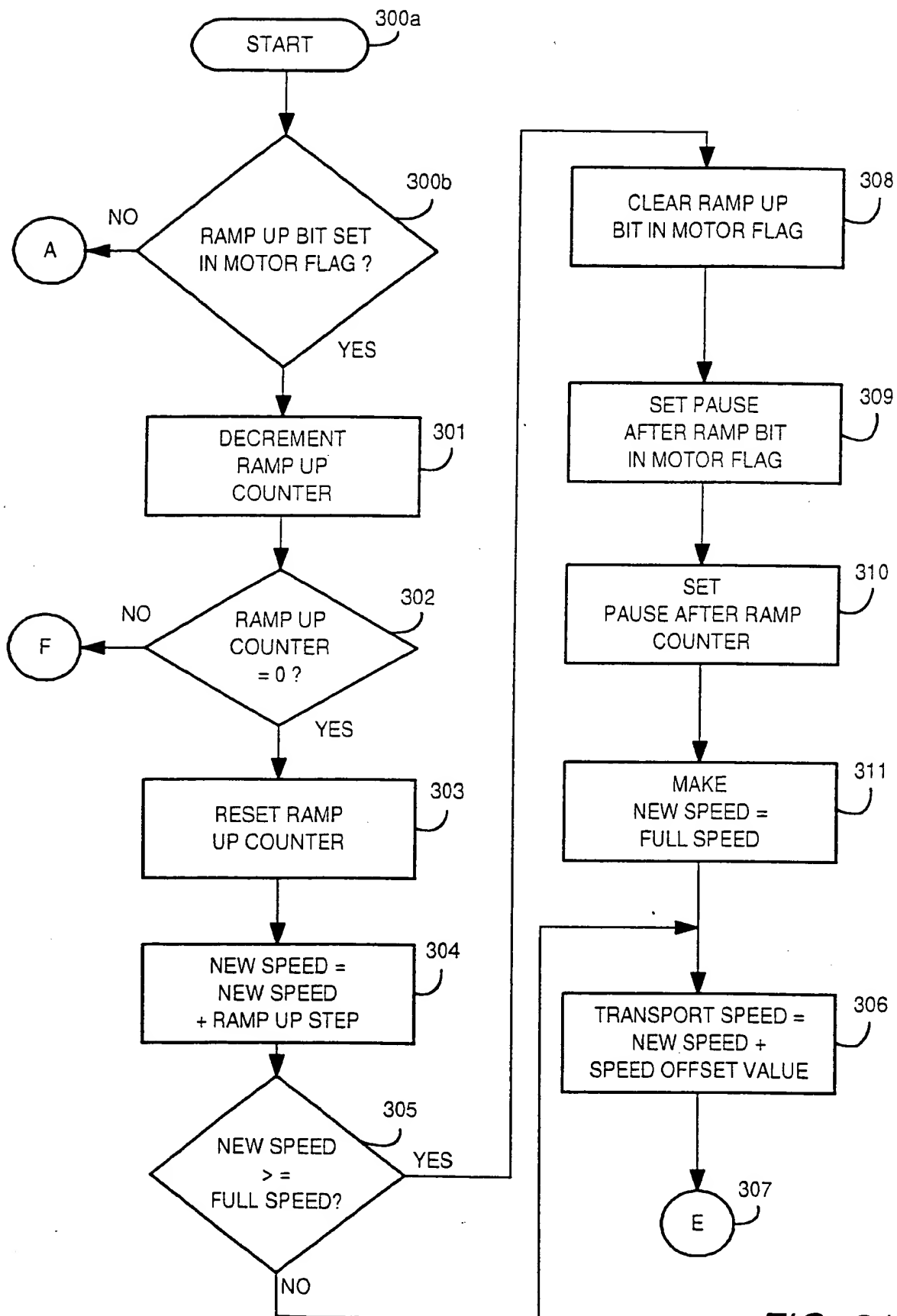


FIG. 31

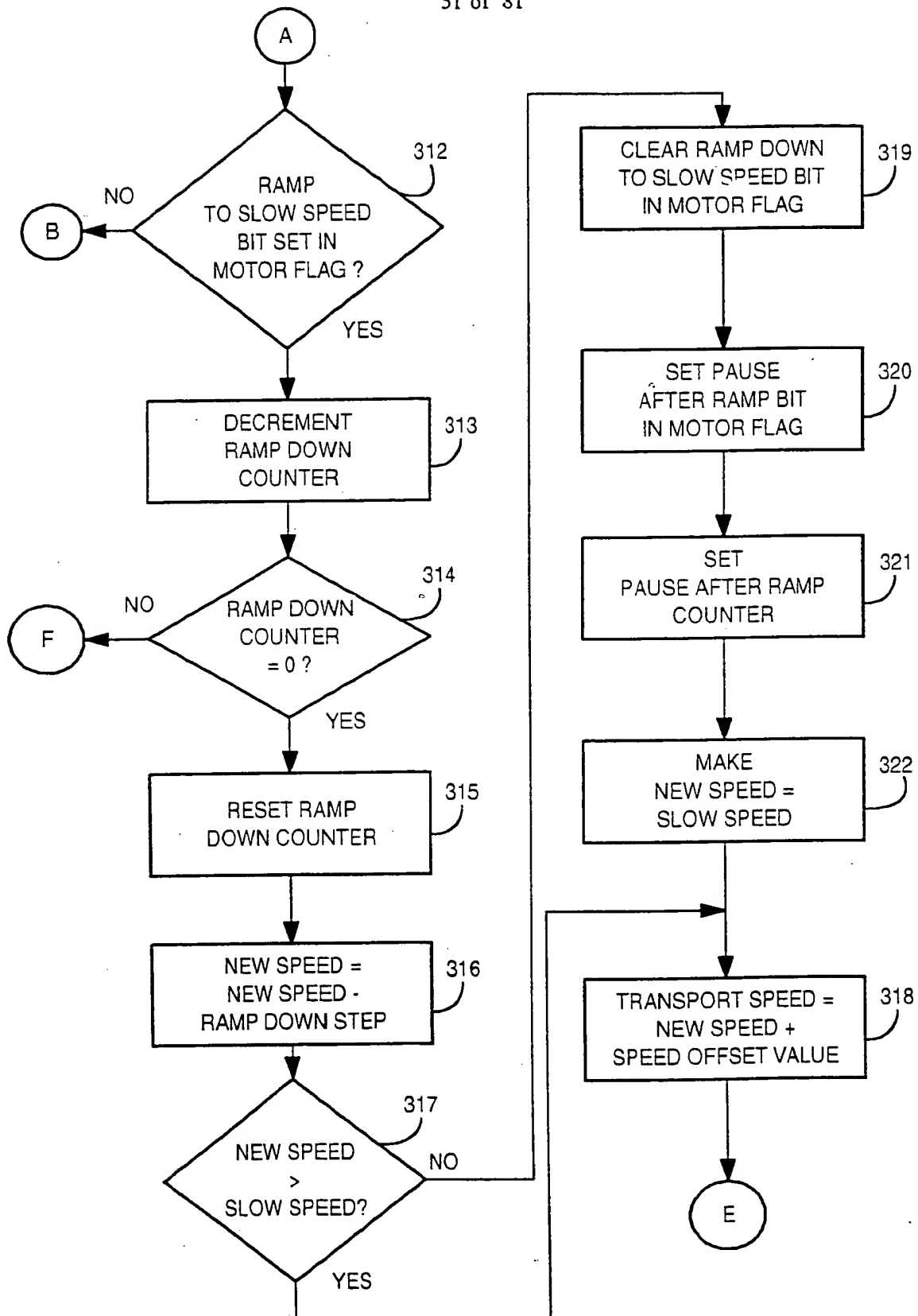


FIG. 32

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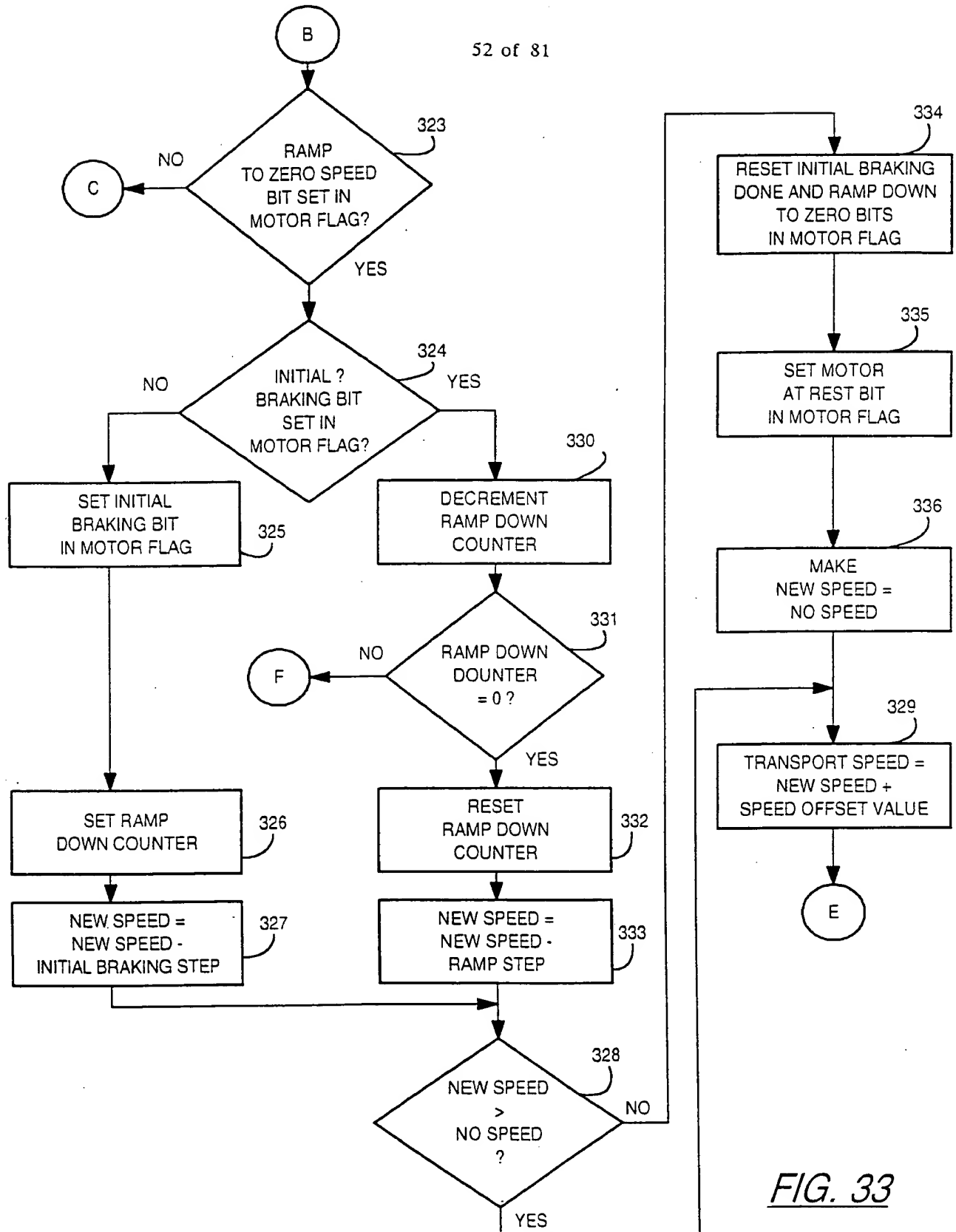
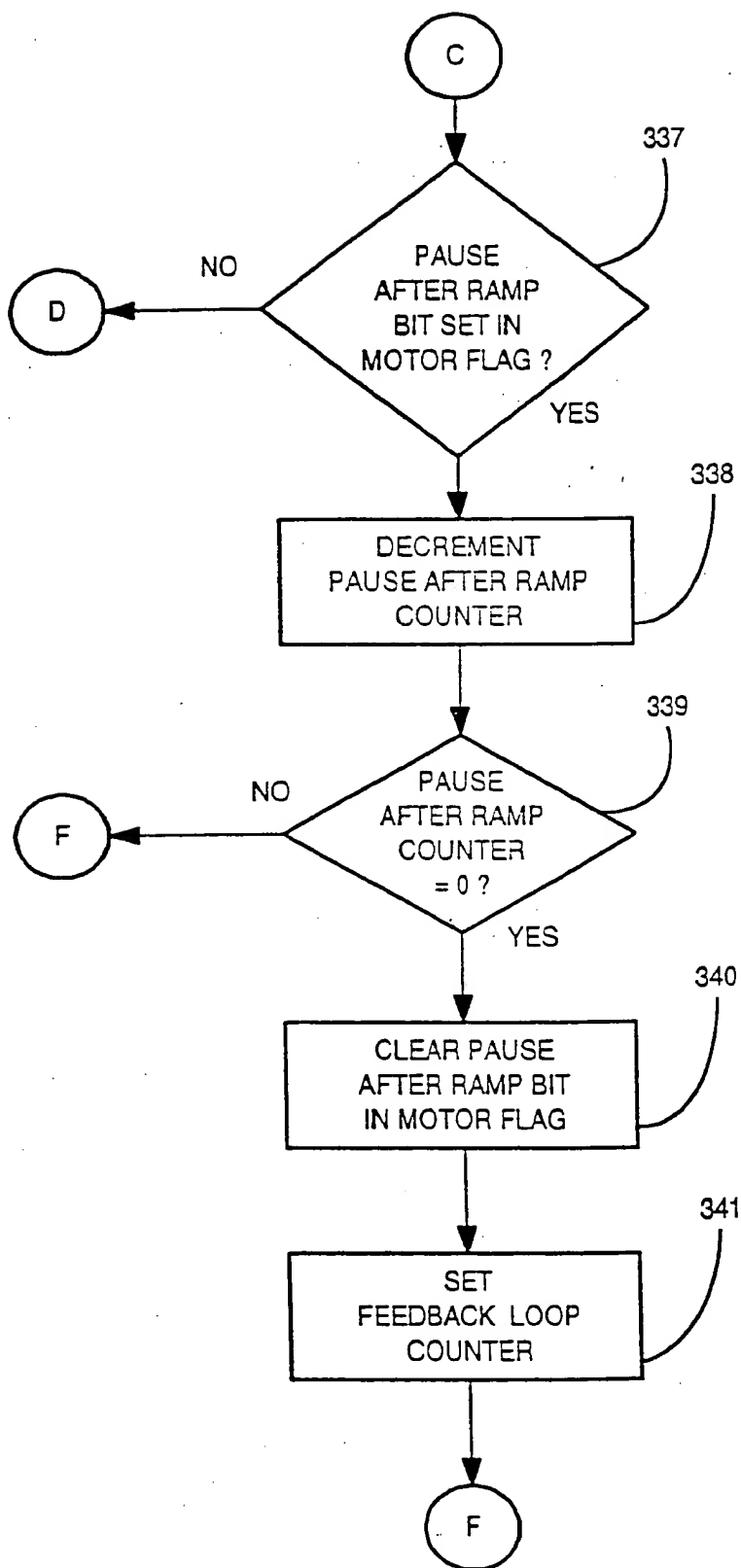


FIG. 33

FIG. 34

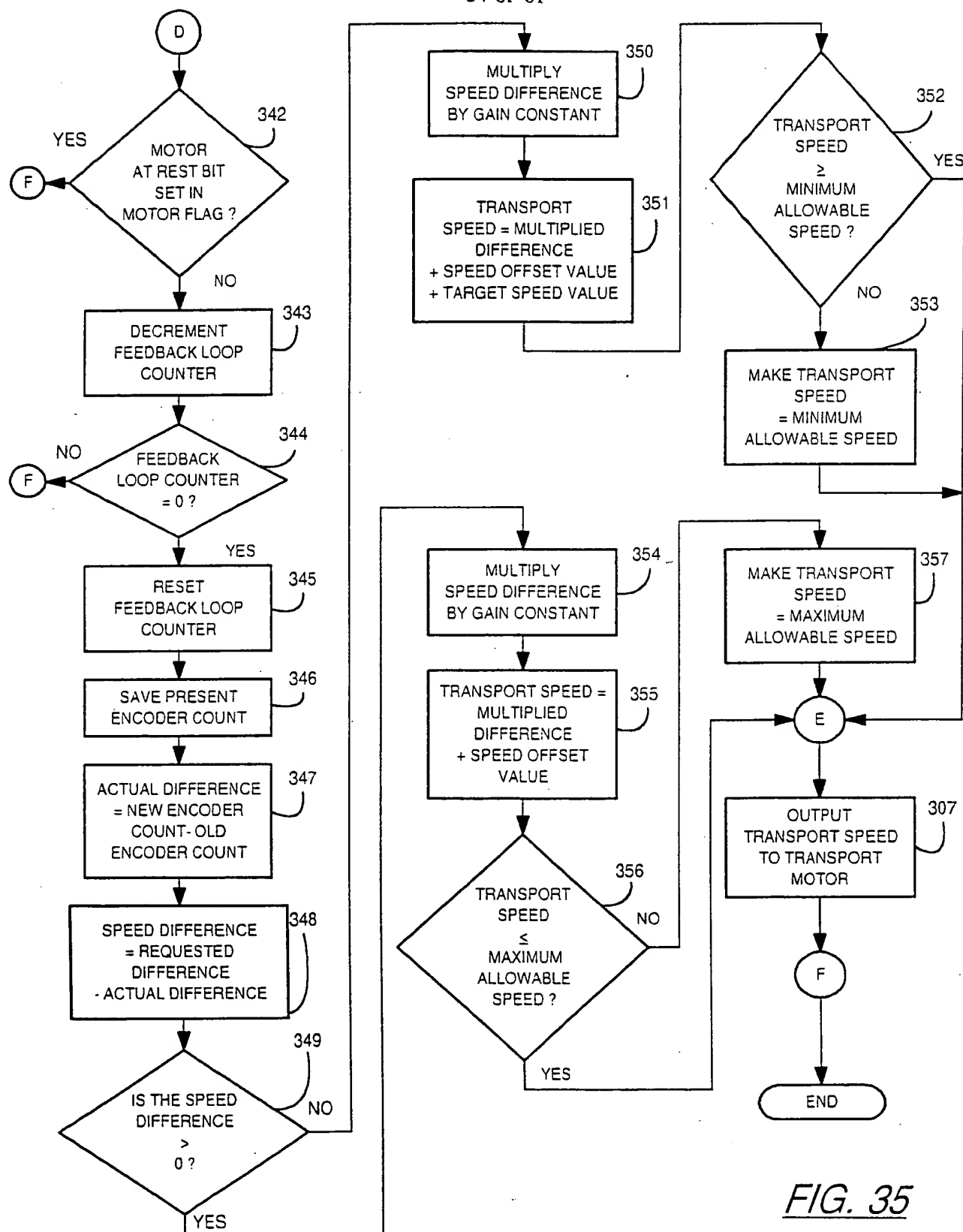
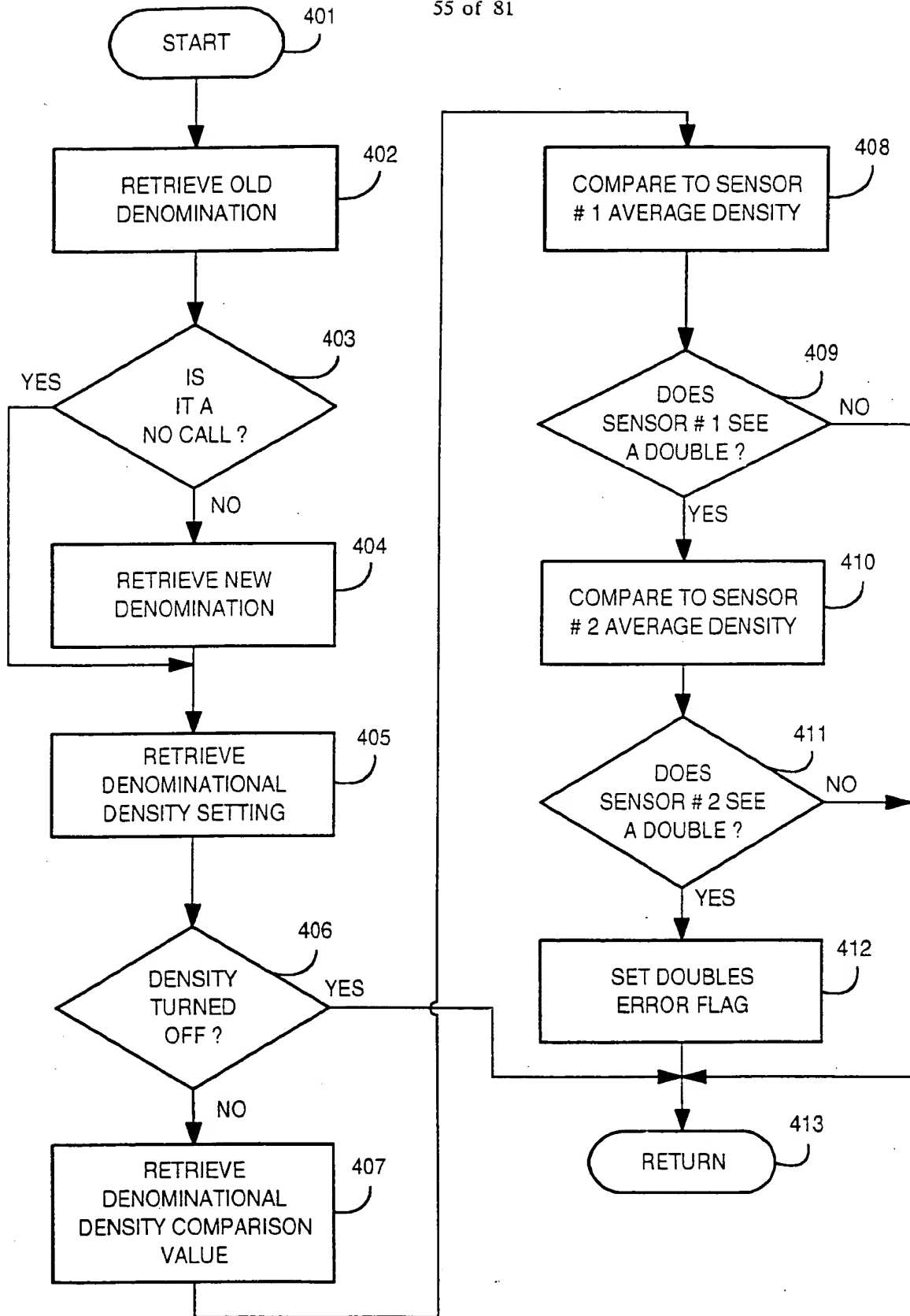
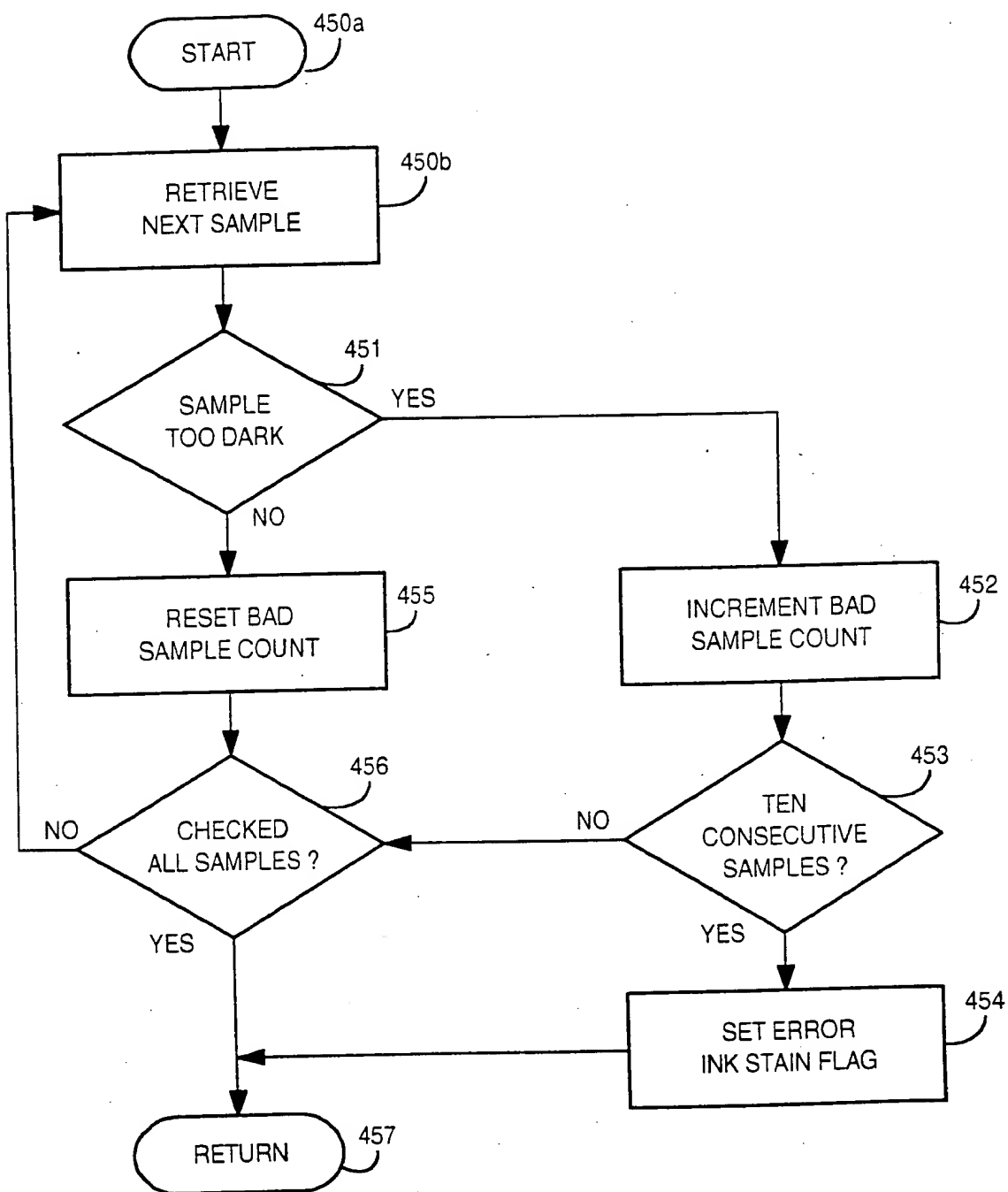
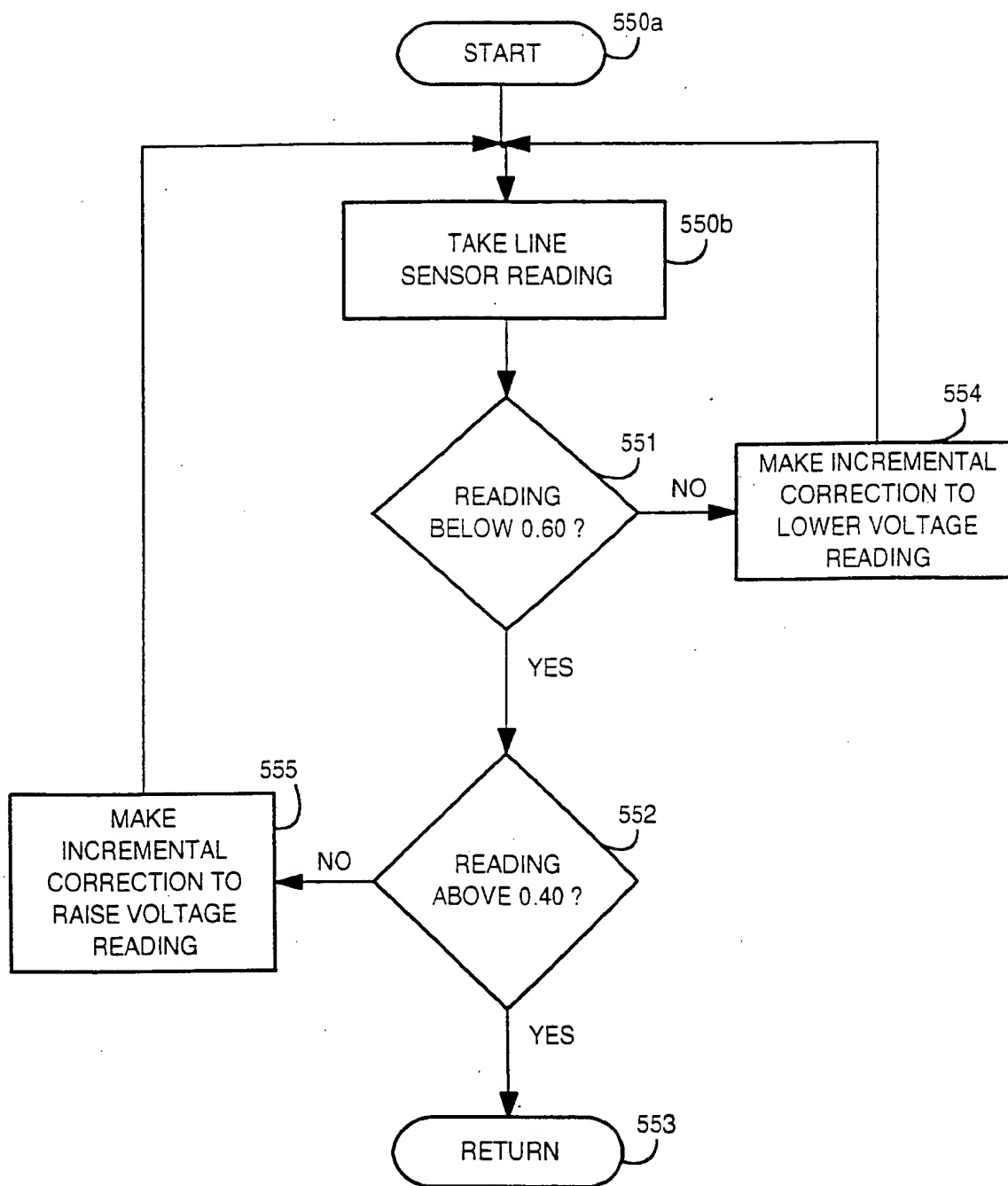
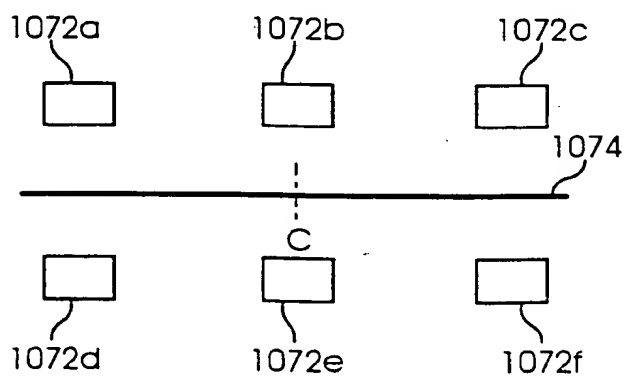
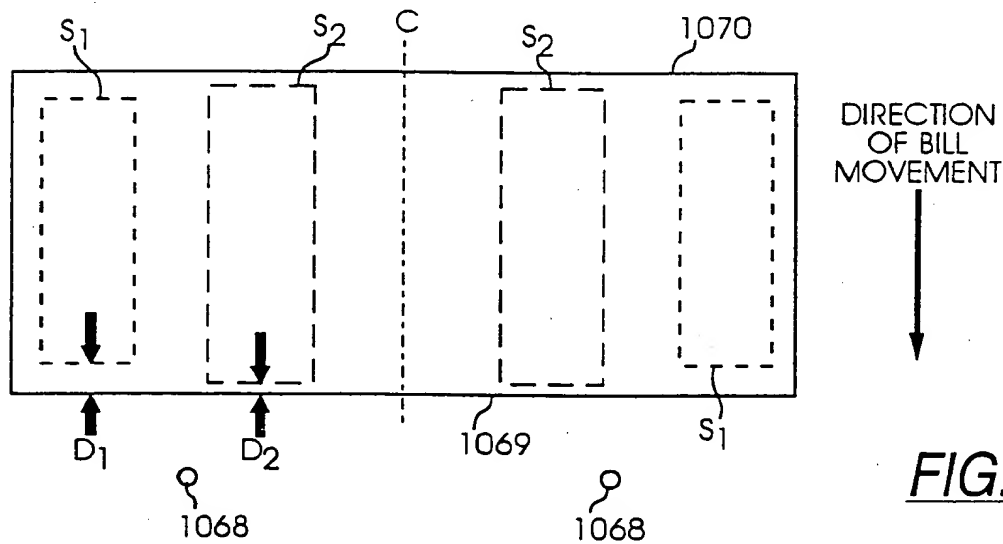
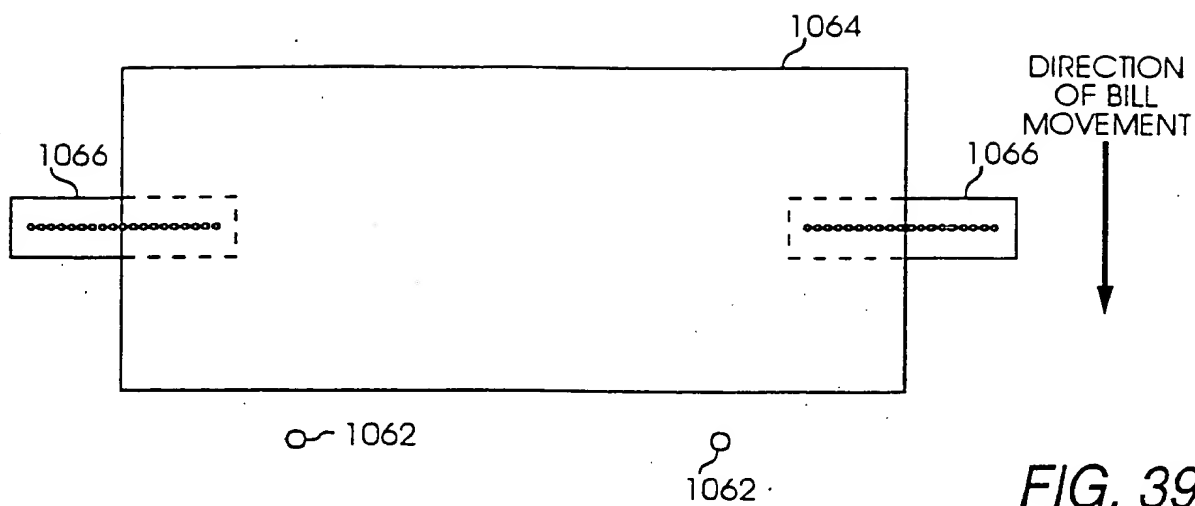


FIG. 35

*FIG. 36*

*FIG. 37*

*FIG.38*



\$20 Before Shifting : Corr = 644

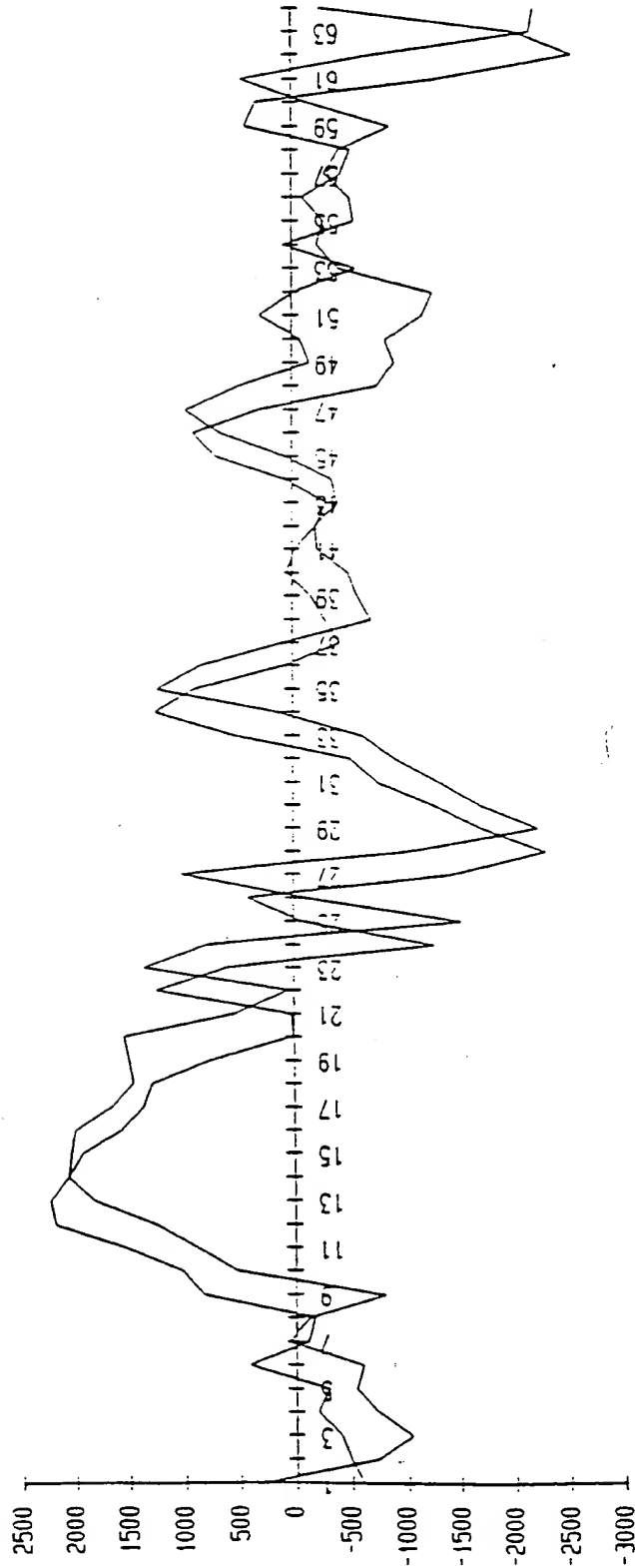


FIG. 41a

\$20 After Shifting : Corr = 966

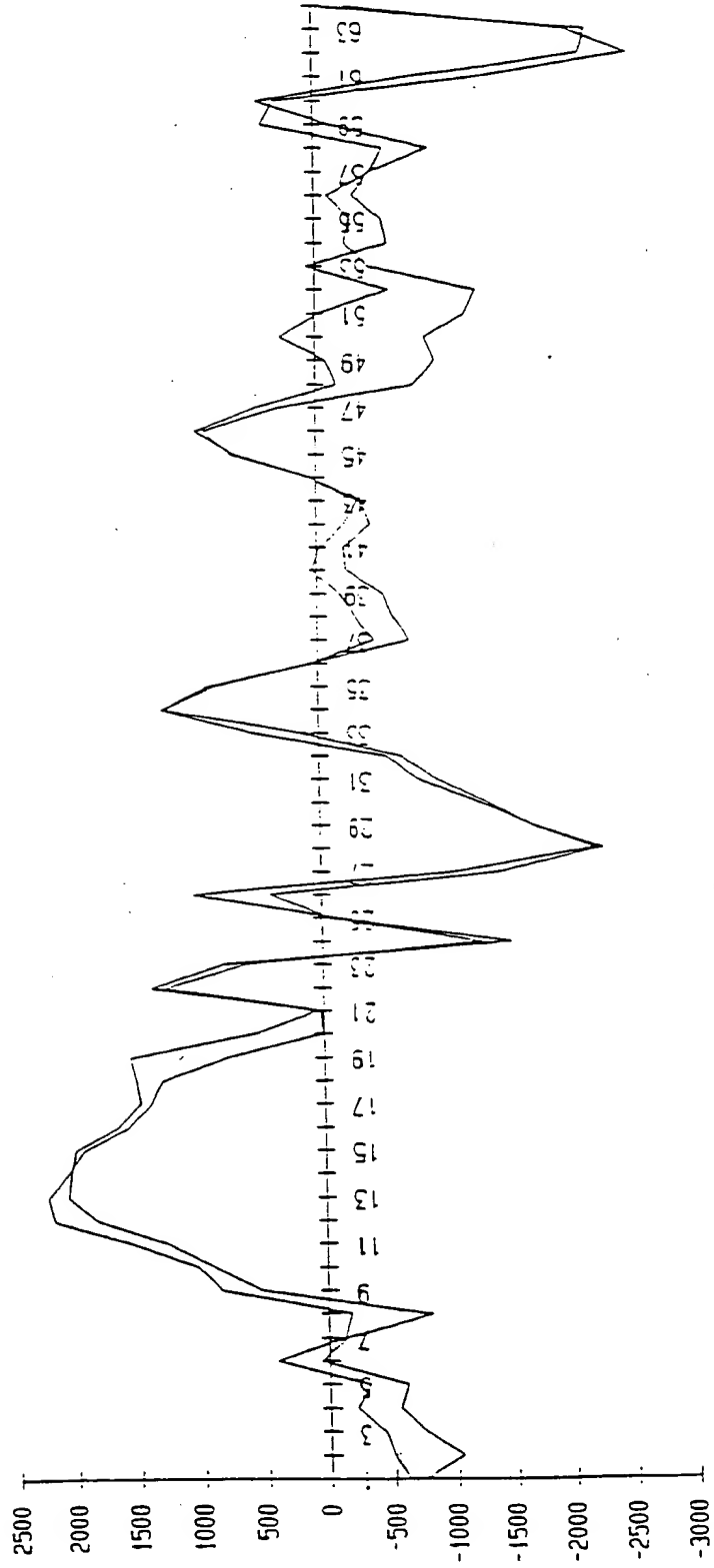


FIG. 41b

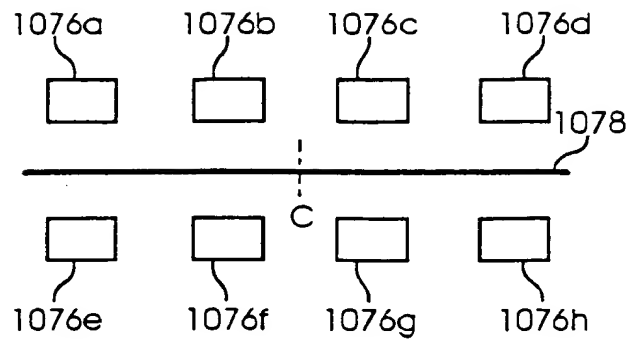


FIG. 43

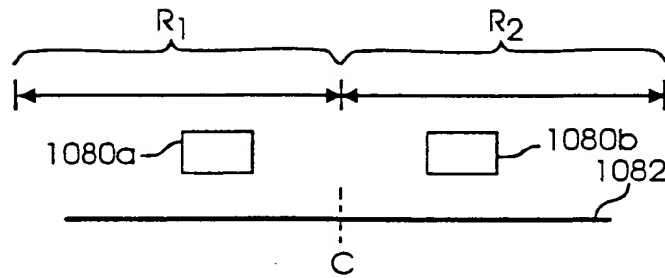


FIG. 44

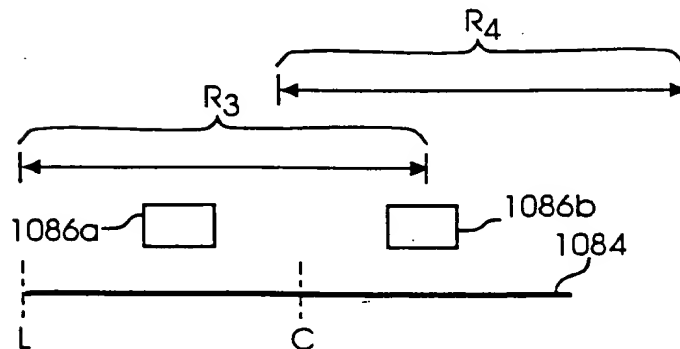


FIG. 45

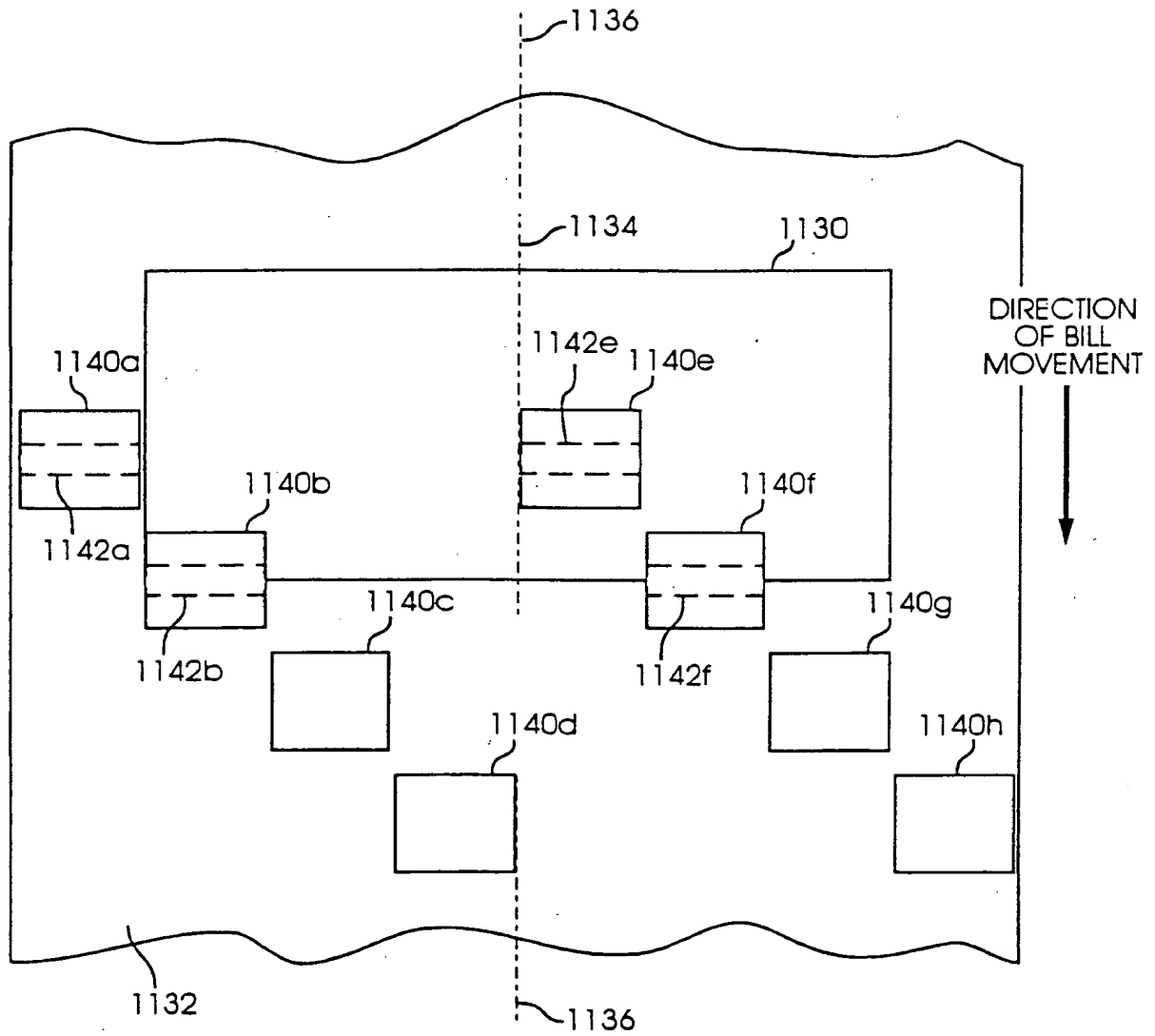


FIG. 46

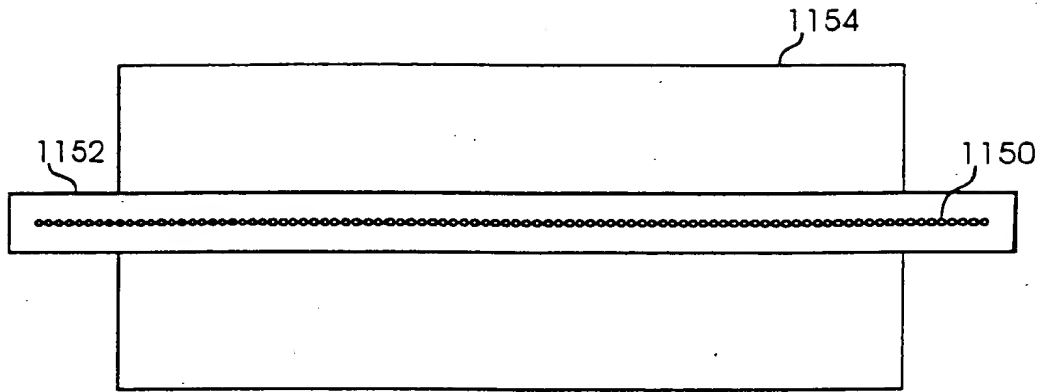


FIG. 47a

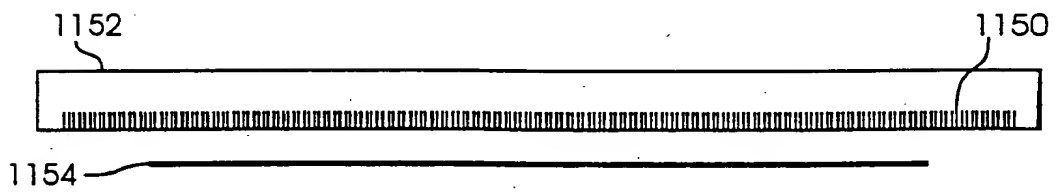


FIG. 47b

005060" T845960

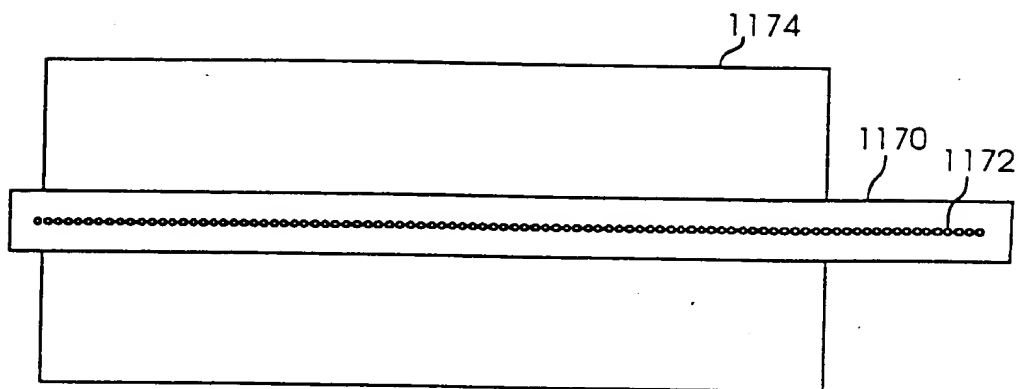


FIG. 48

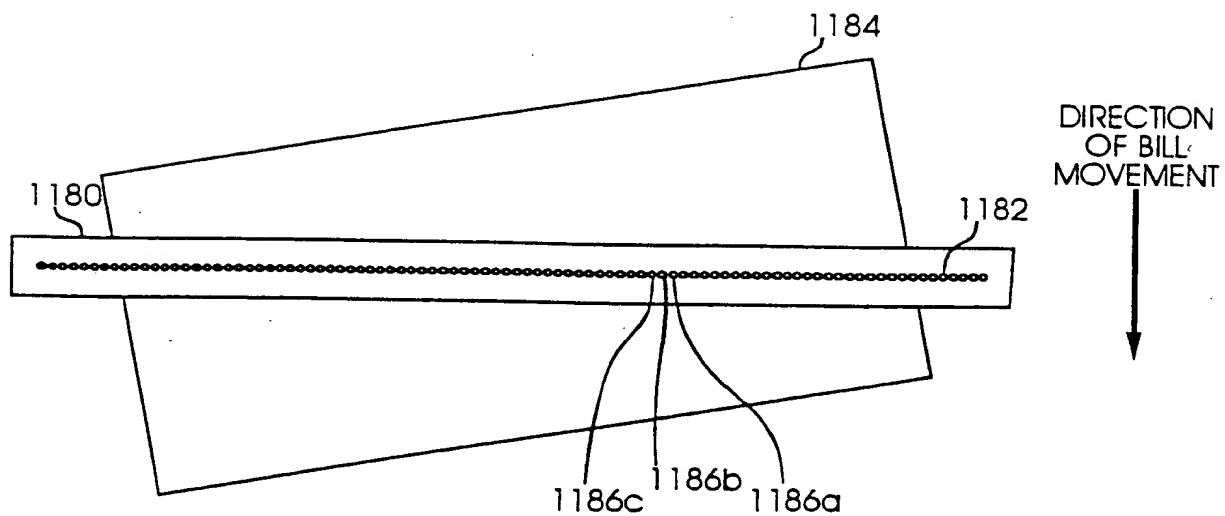
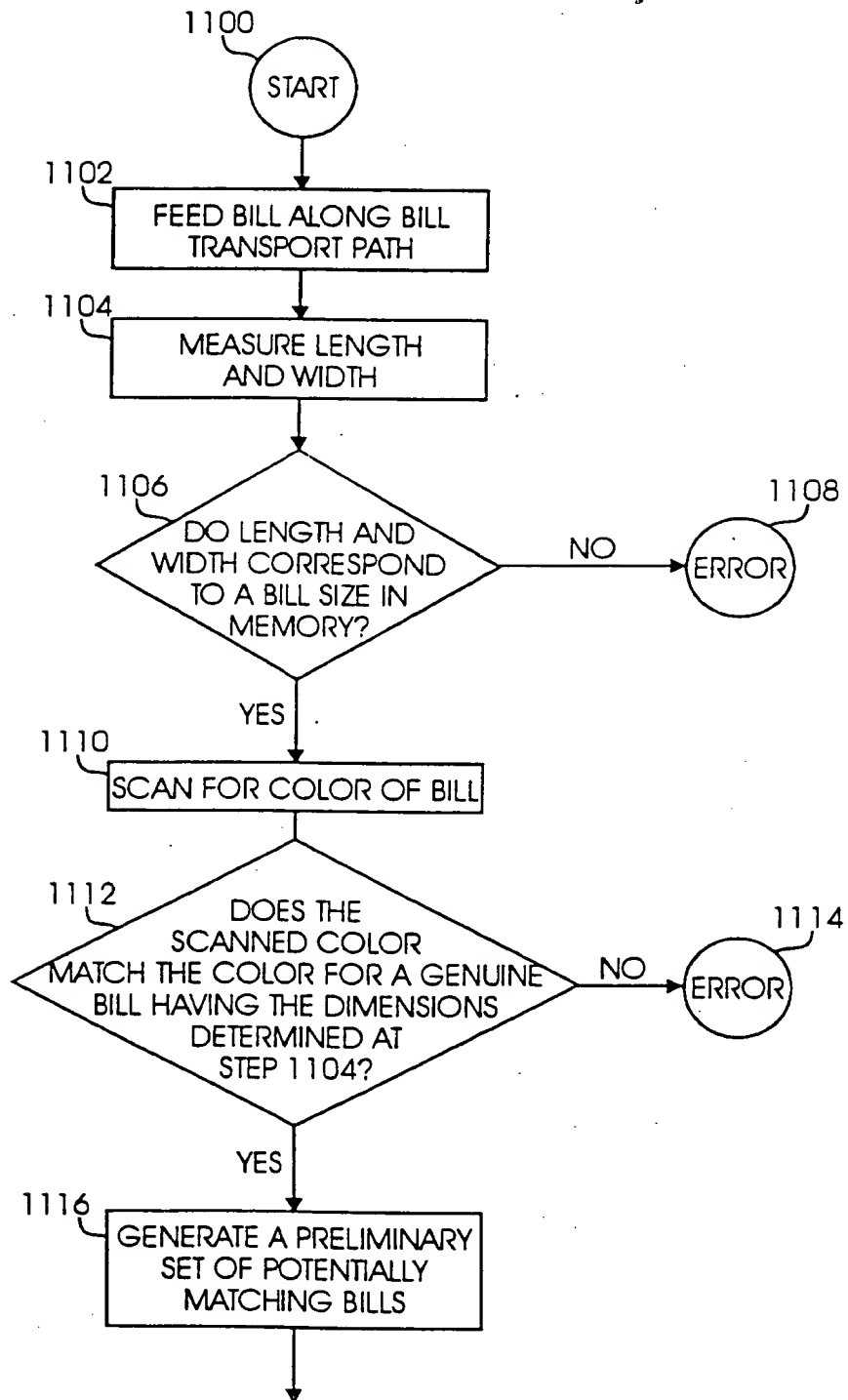
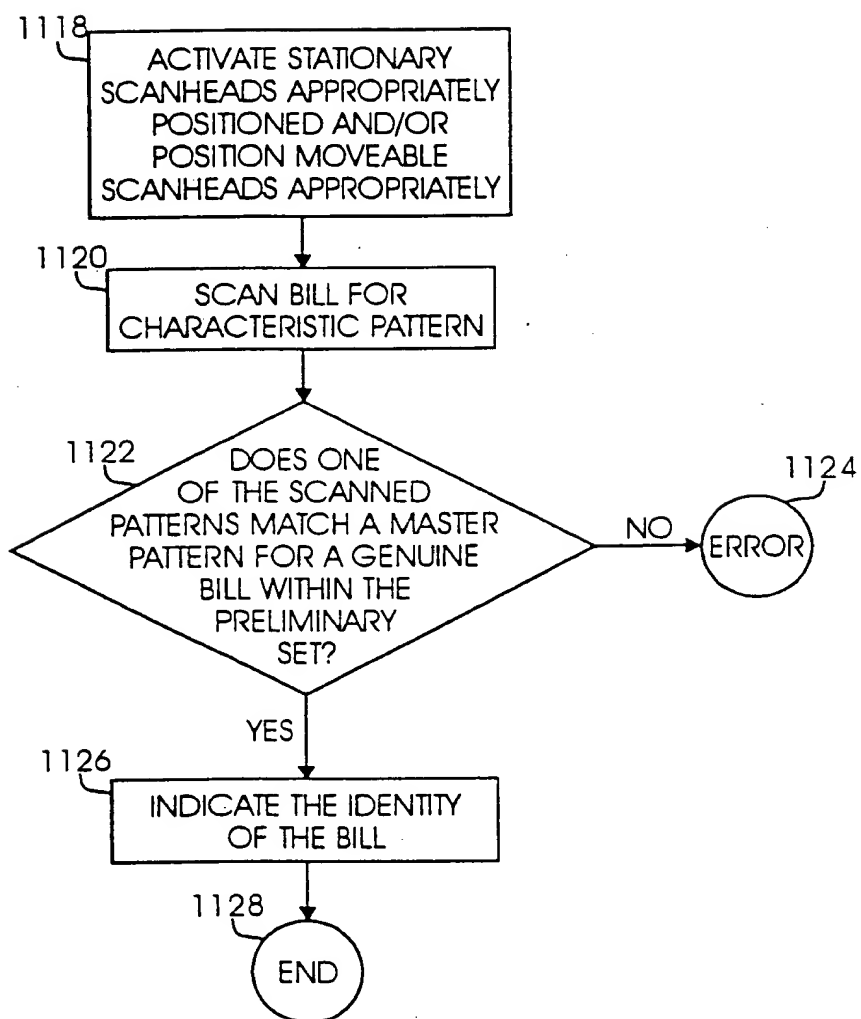


FIG. 49

005060" 18455960

*FIG. 50a*

***FIG. 50b***

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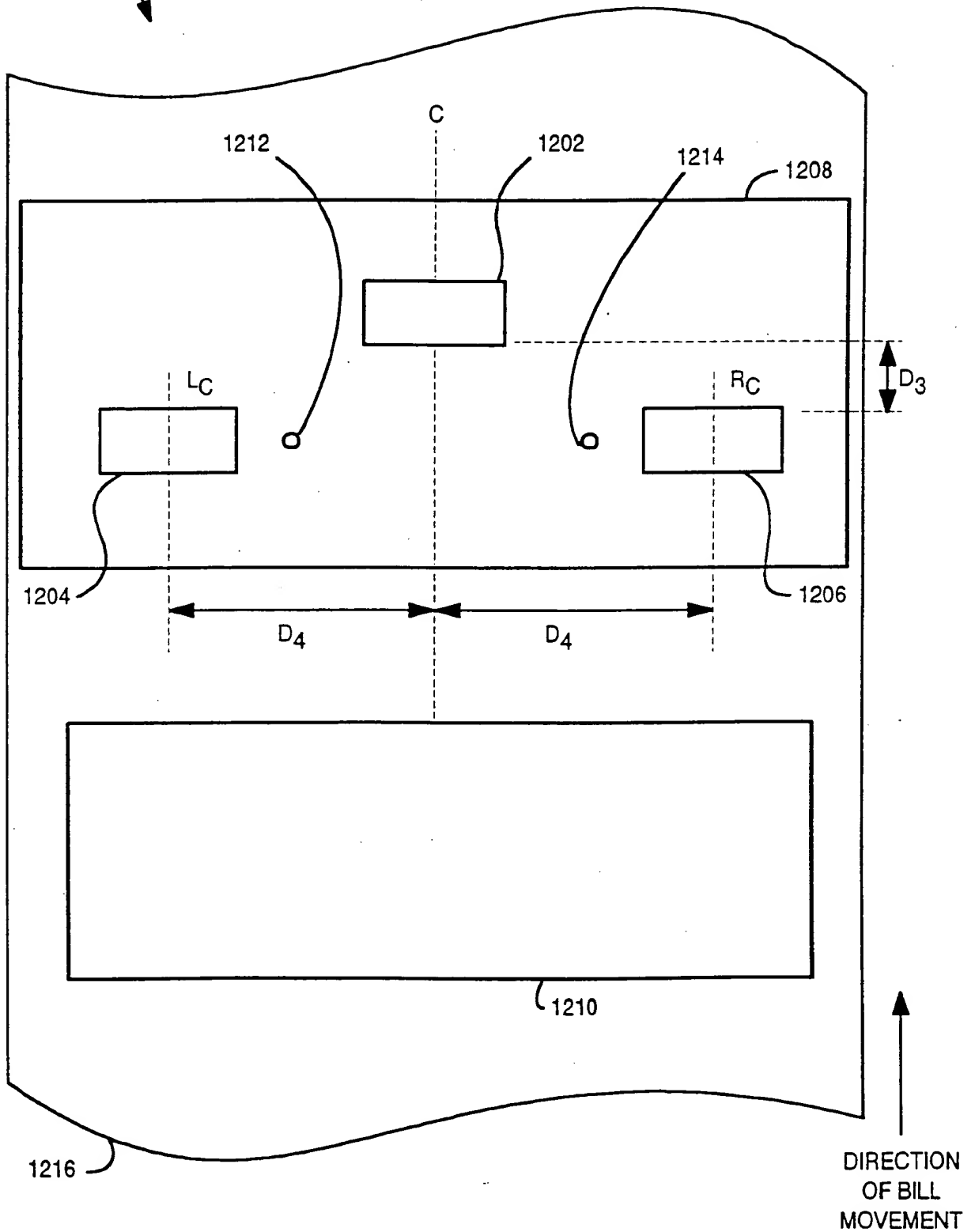


FIG. 51

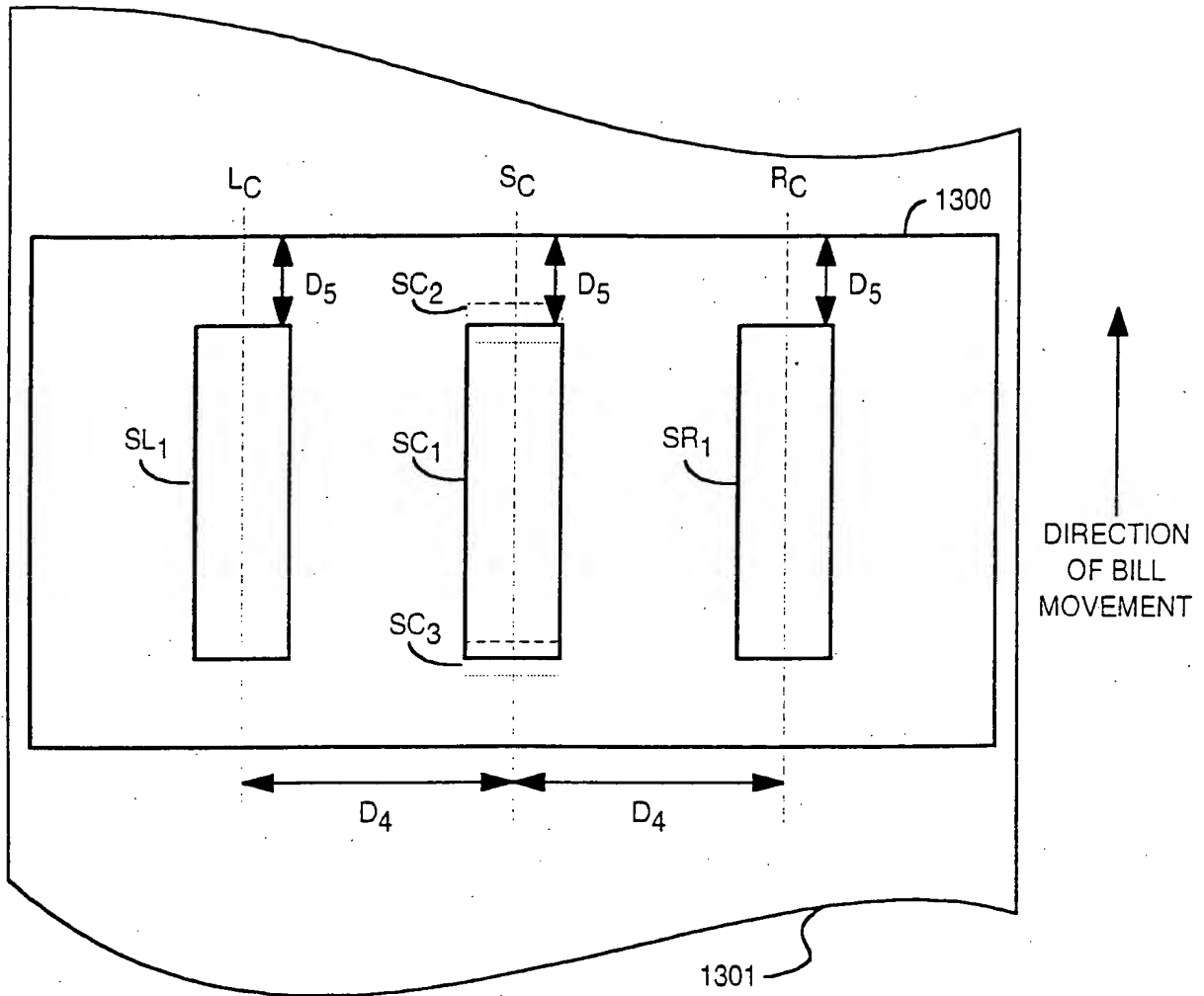
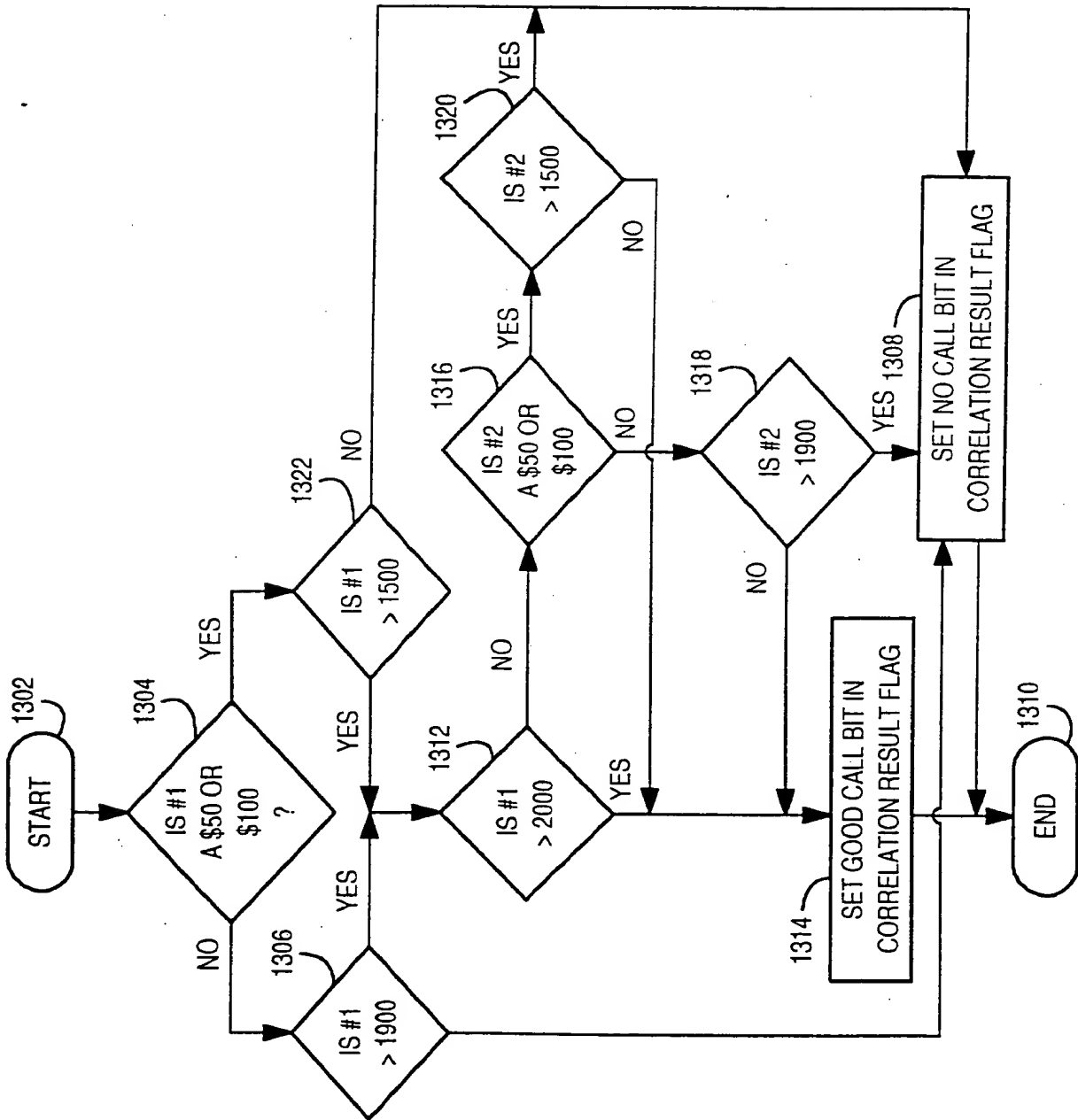


FIG. 52

FIG. 53



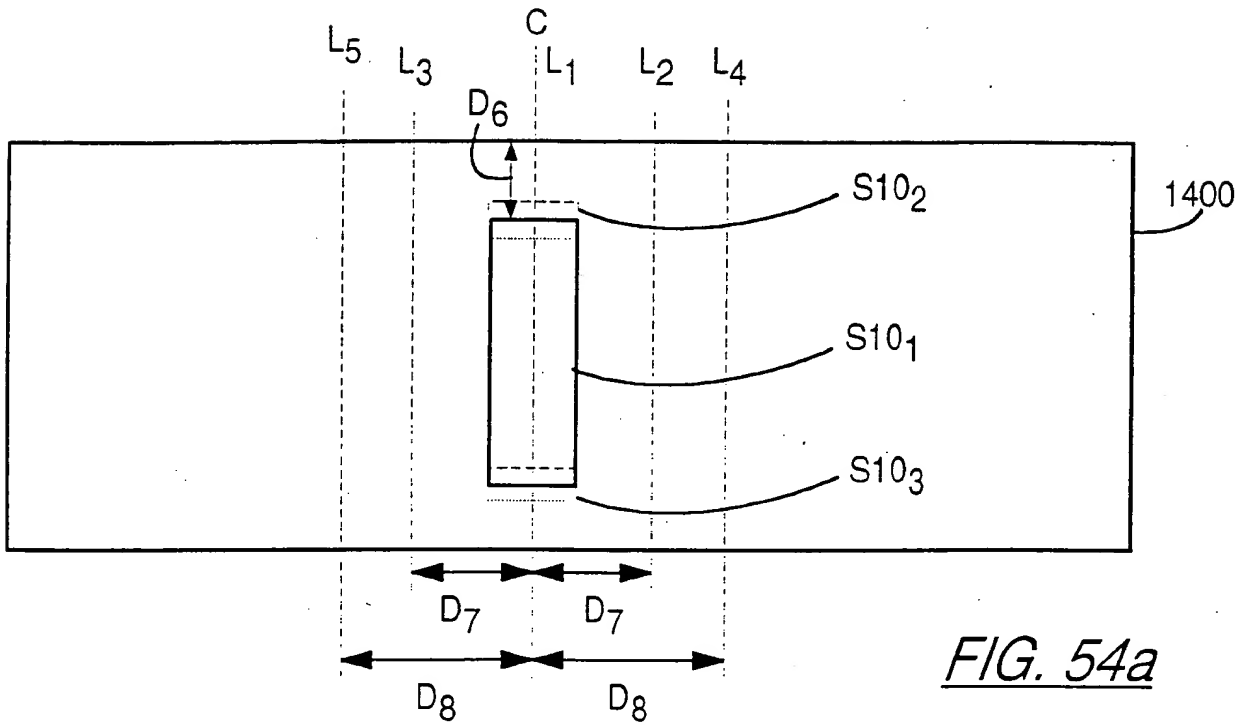


FIG. 54a

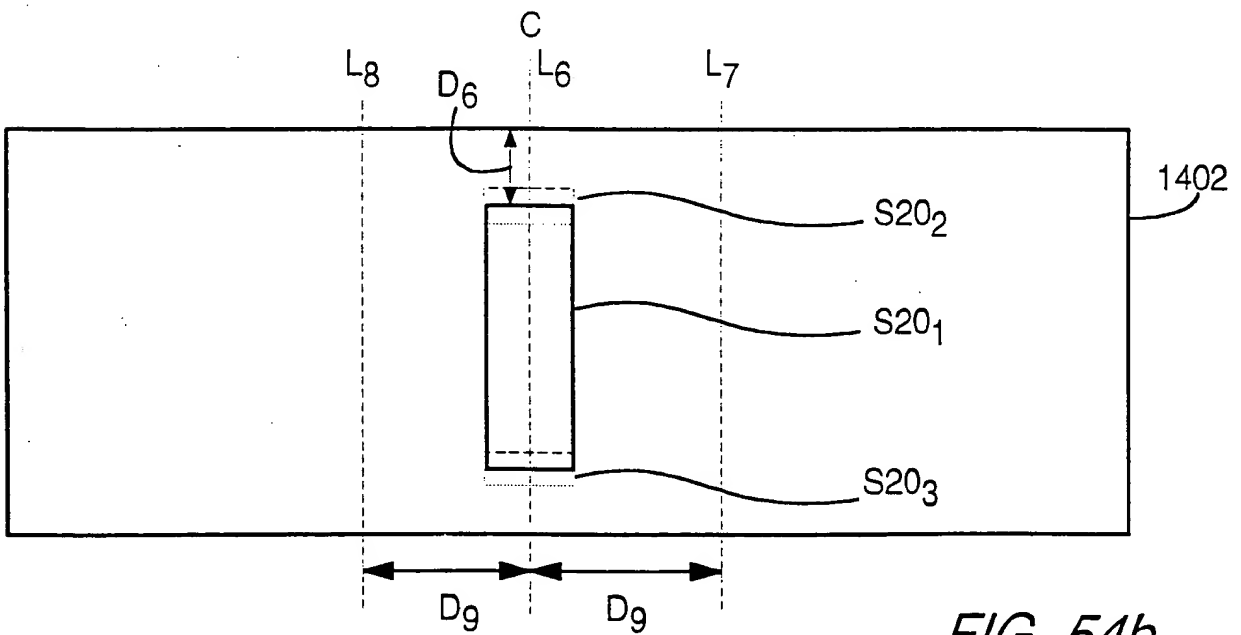
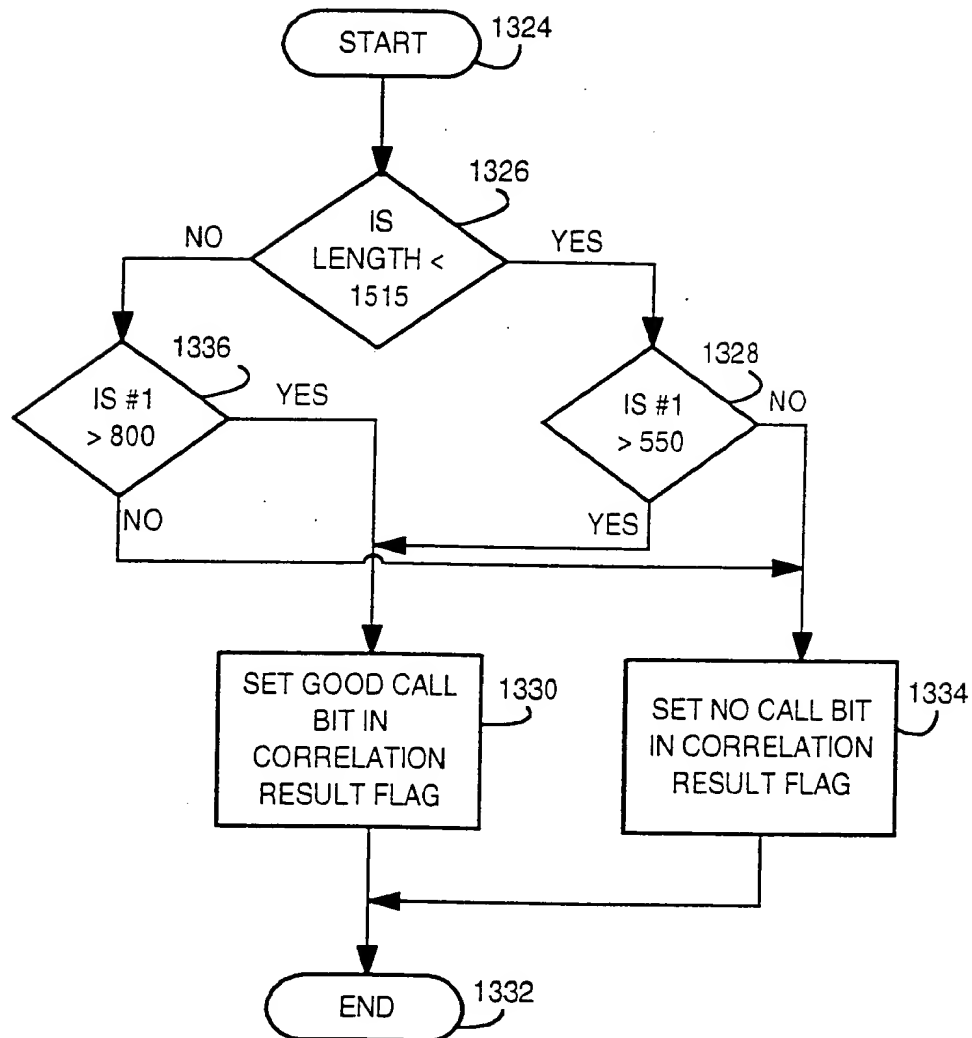
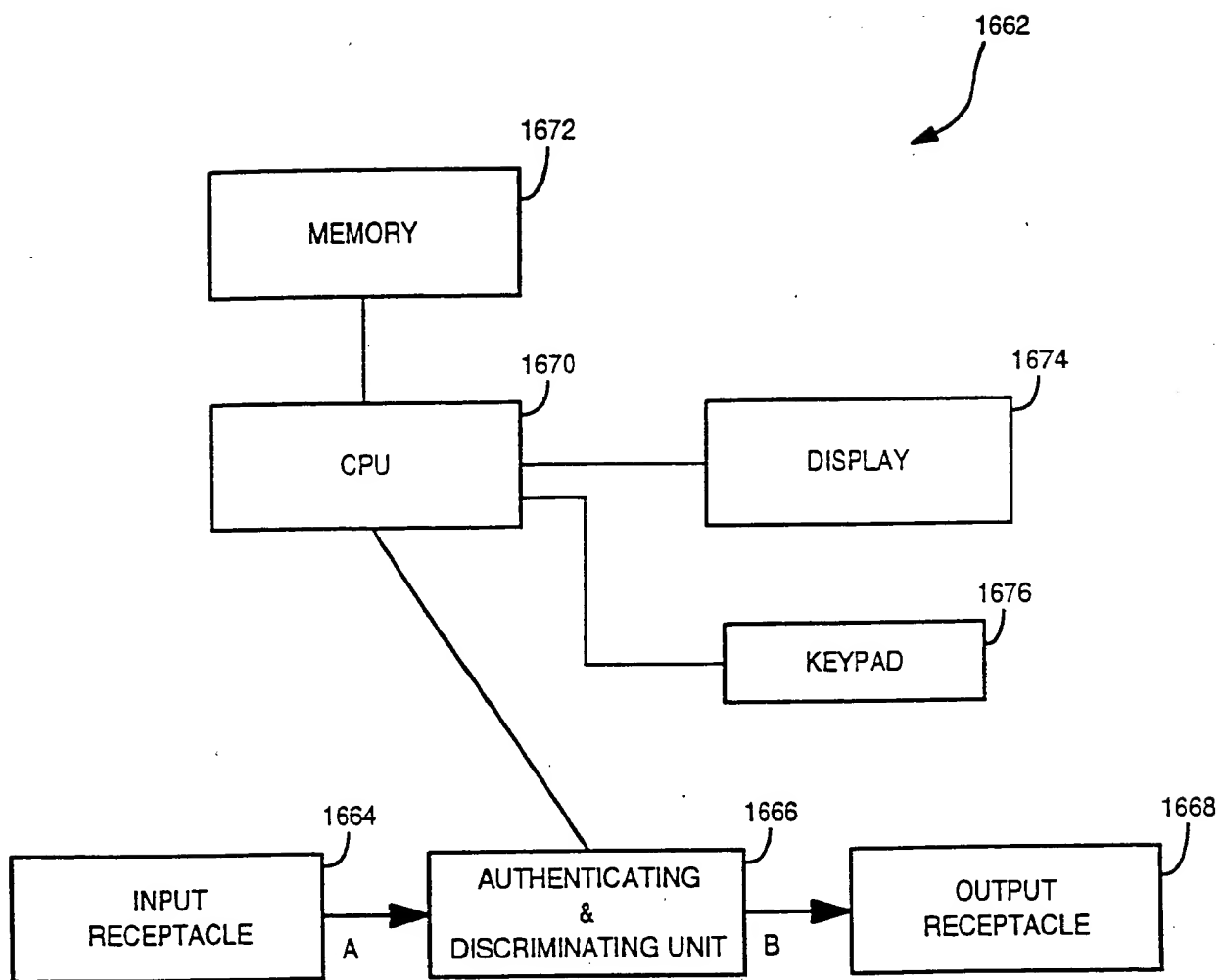


FIG. 54b

*FIG. 55*

*FIG. 56*

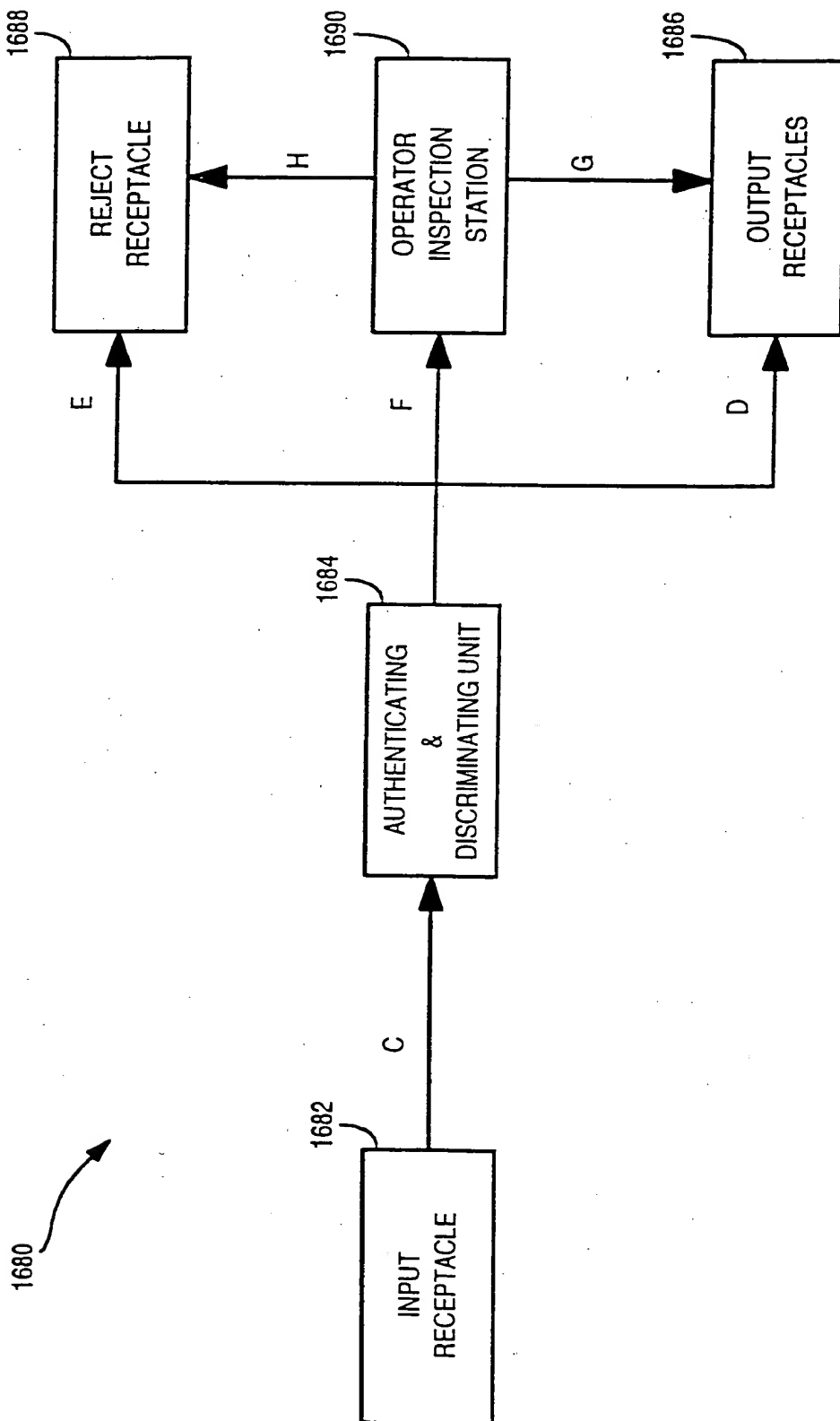


FIG. 57

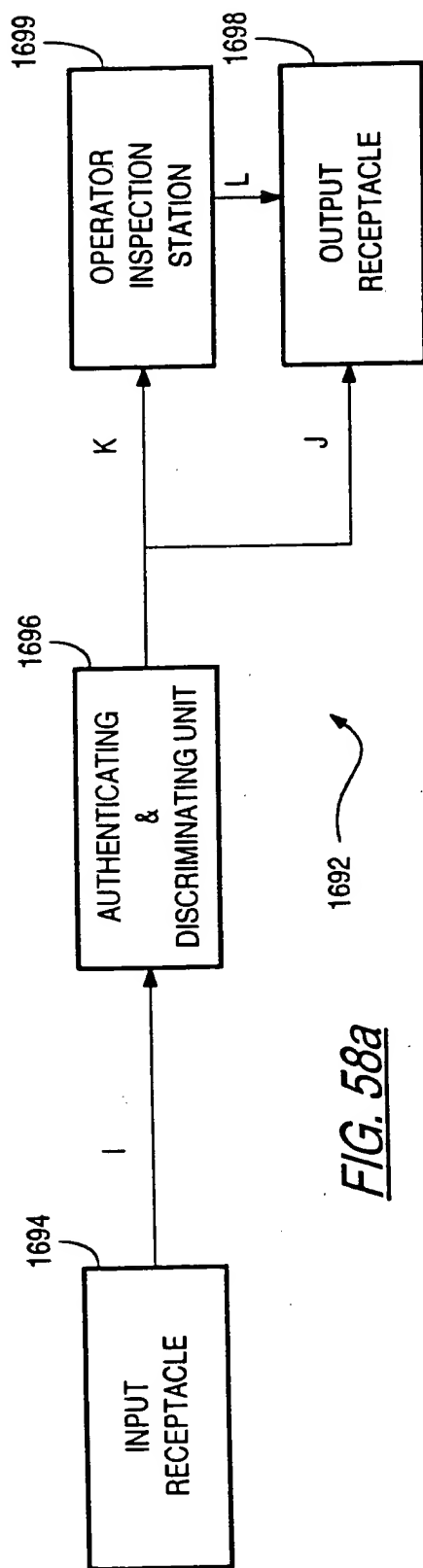


FIG. 58a

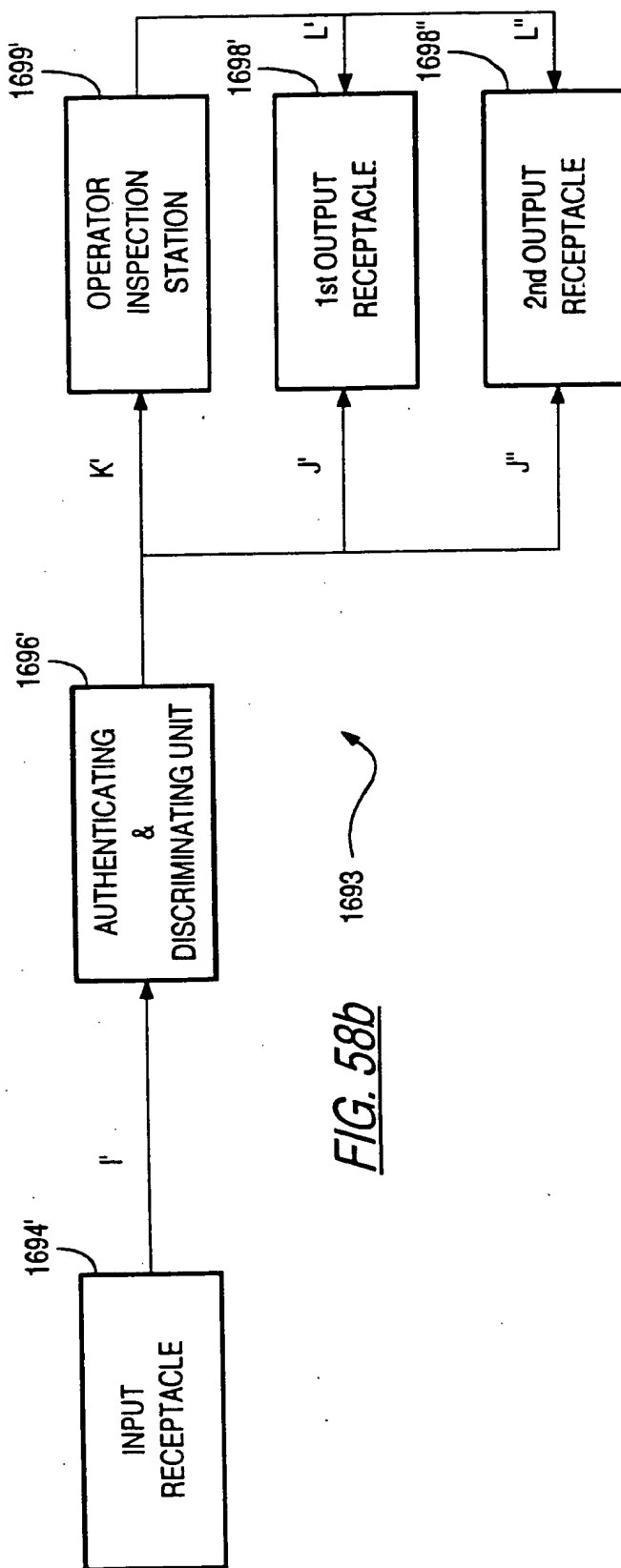


FIG. 58b

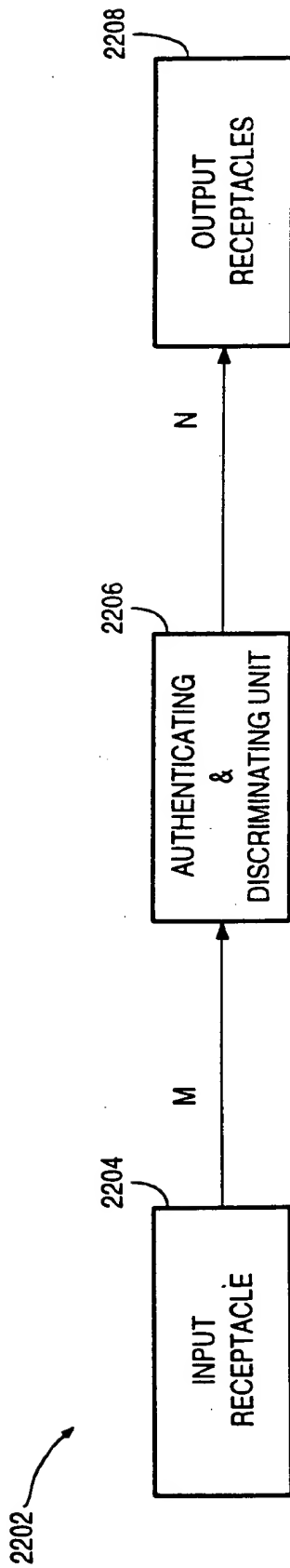


FIG. 58c

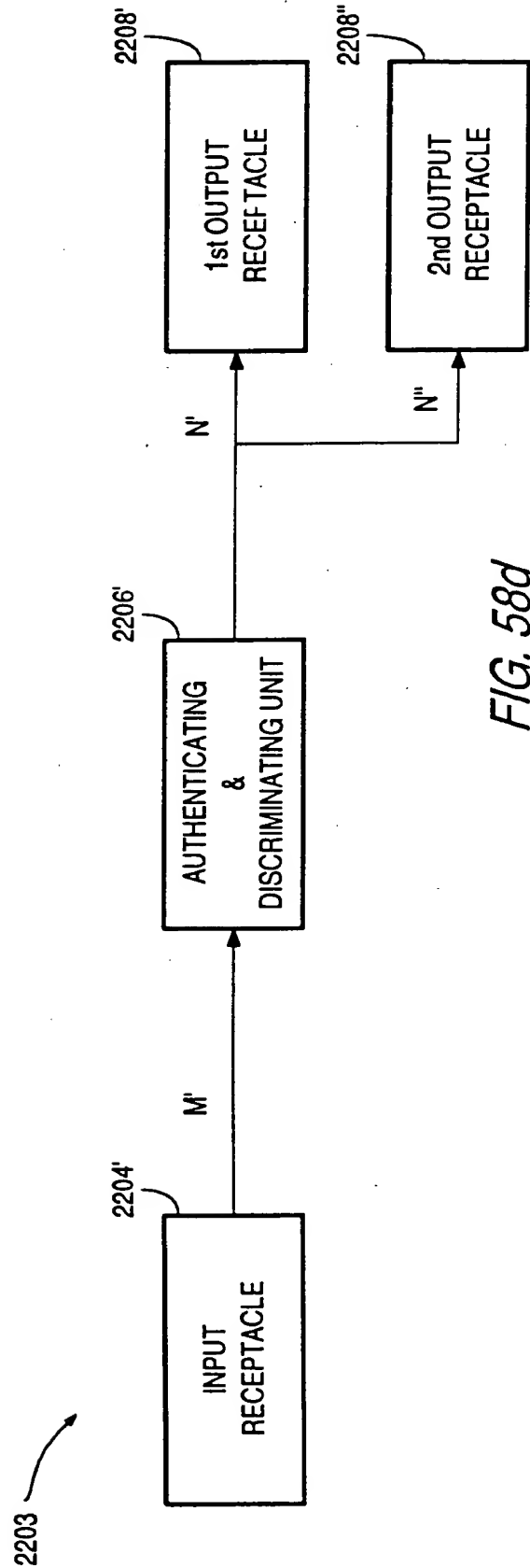


FIG. 58d

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64d

64e

64f

64g

Mode	\$ 1	Add	\$ 5	Verify	\$ 10	Unit	\$ 20	SD	\$ 50	Density	\$ 100
Denom		Sub Bat	Count	Limit	Batch						
Clear		Strap	Cont	Day	All Strip	Sub Bat	End	Denom	\$ 2	Set Strip	

FIG. 59

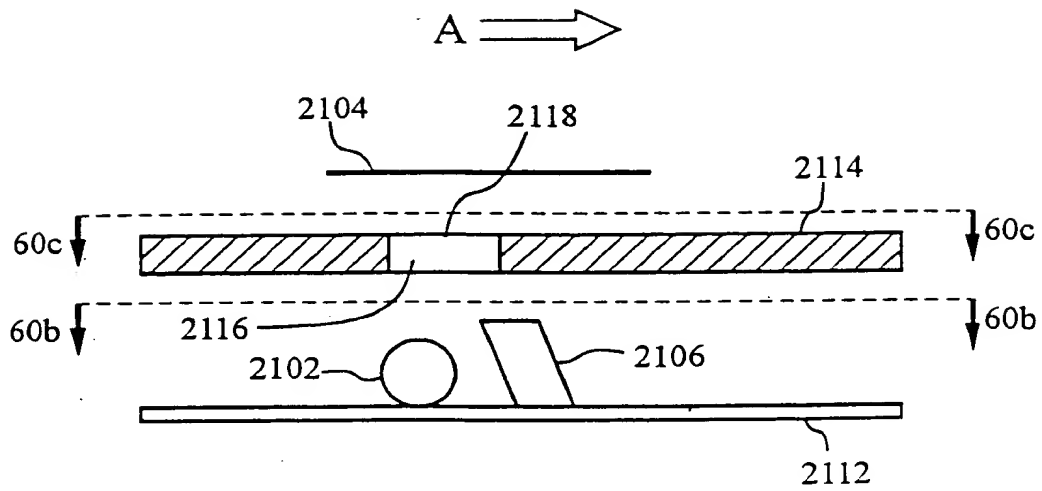


FIG. 60a

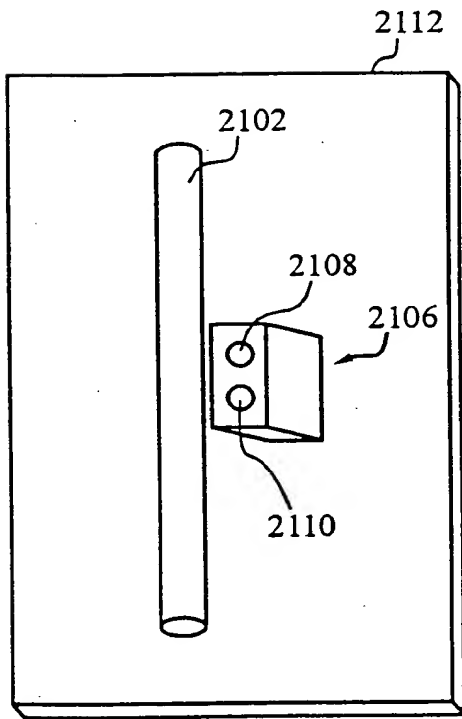


FIG. 60b

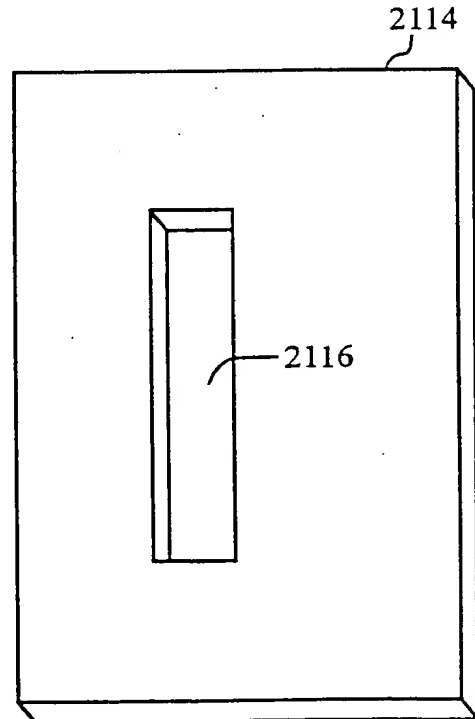


FIG. 60c

005060" T845960

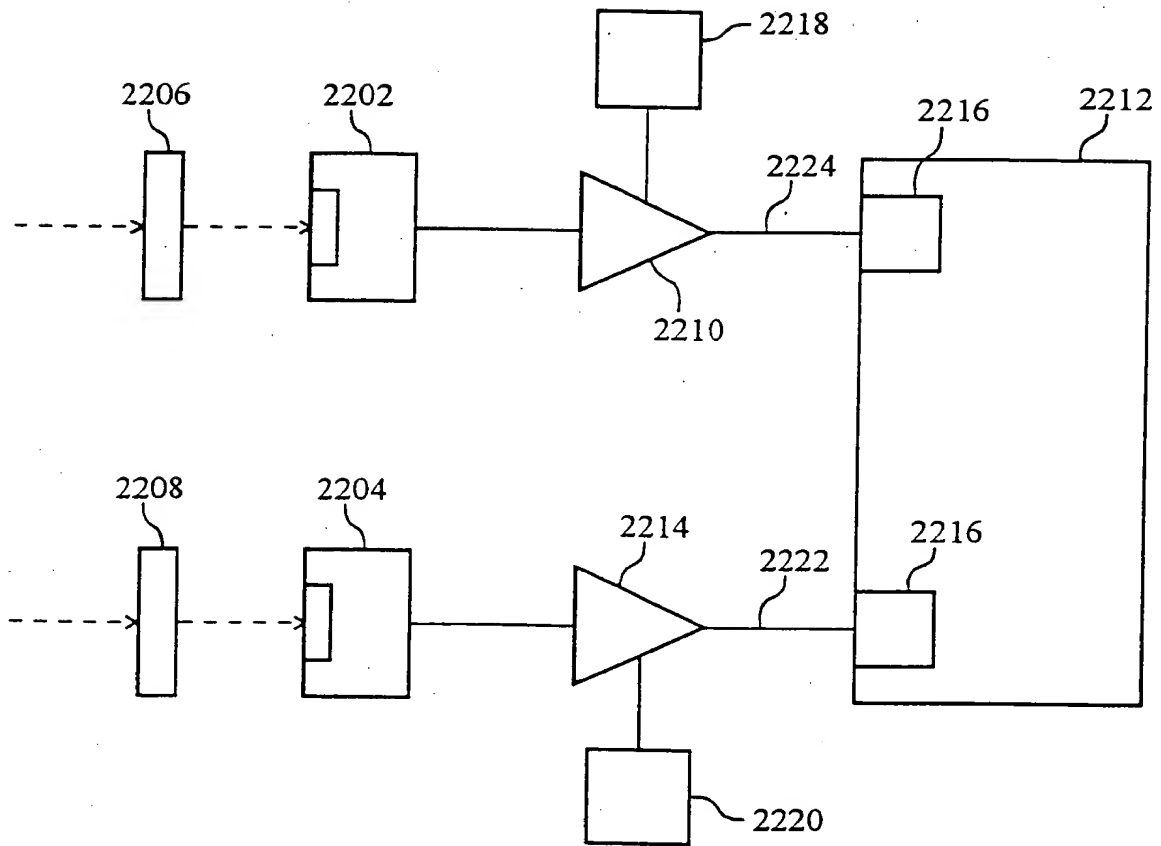
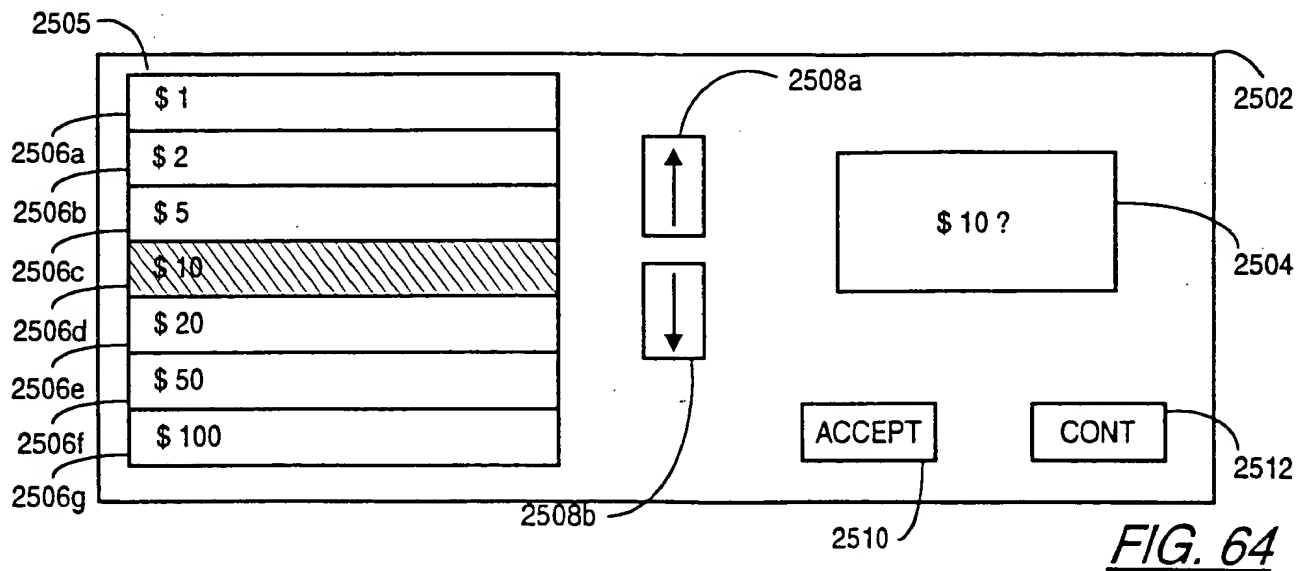
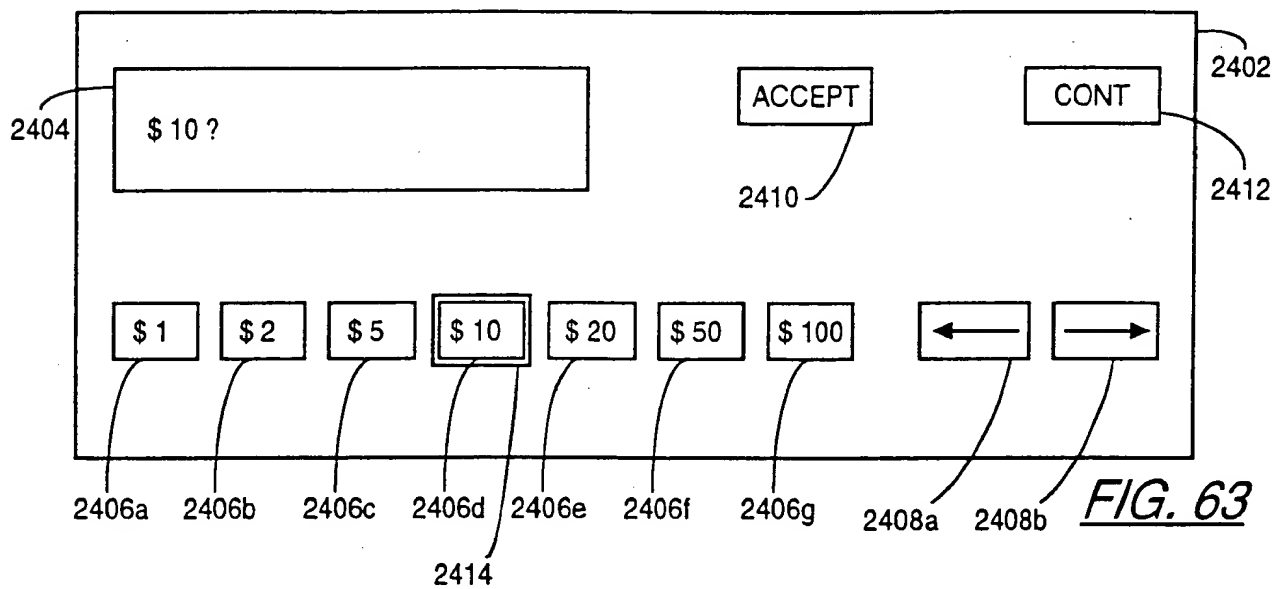
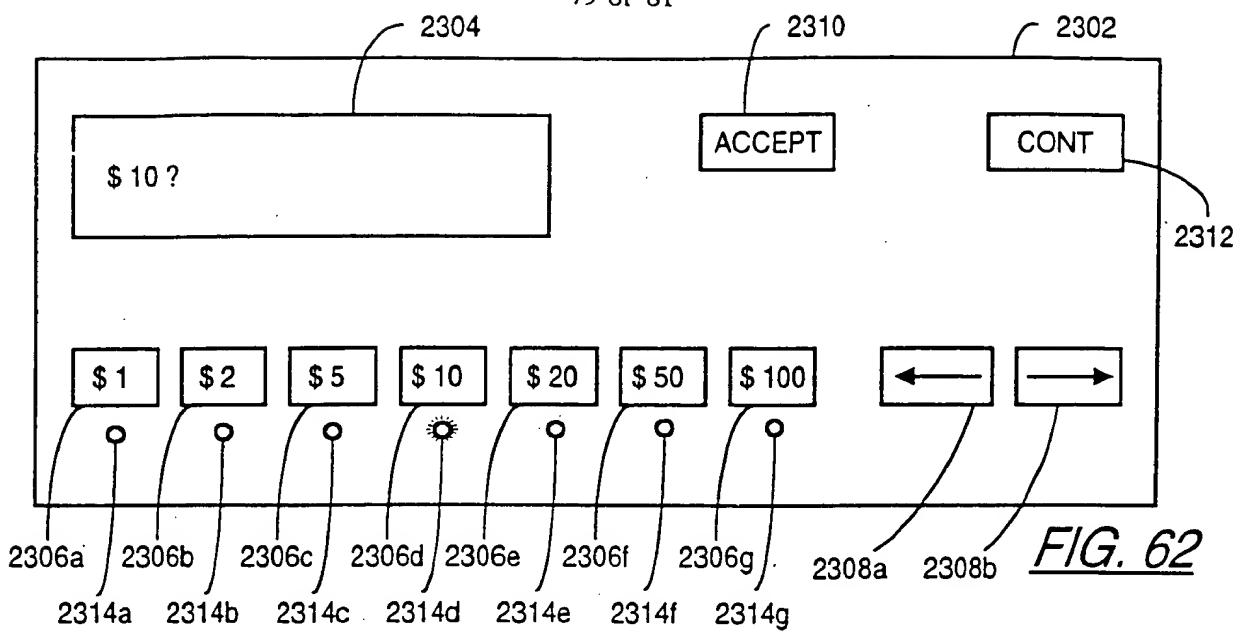
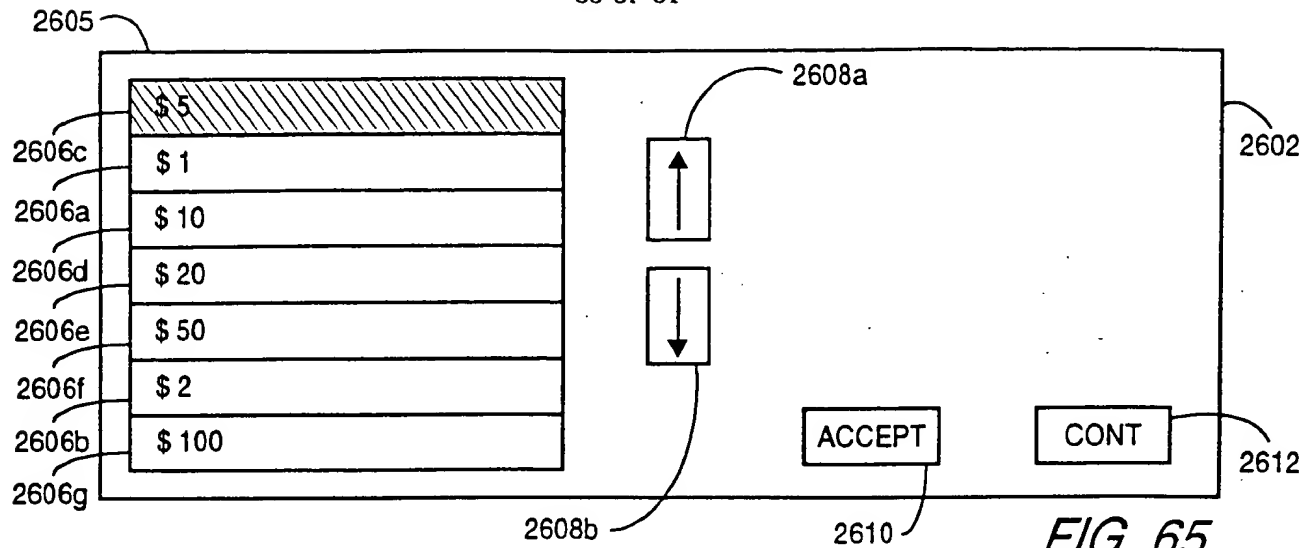
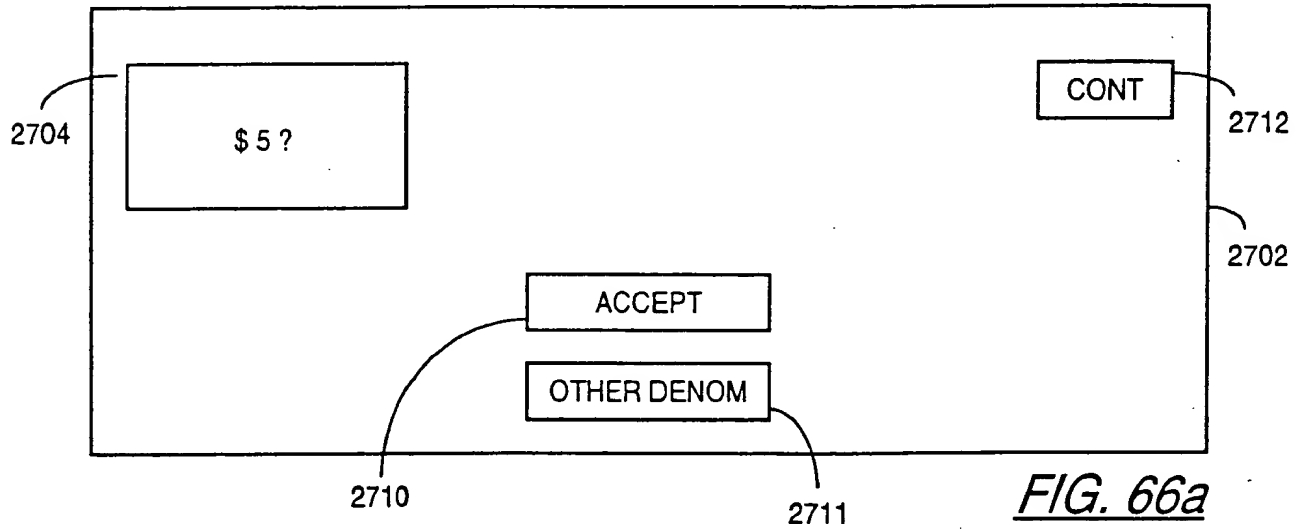
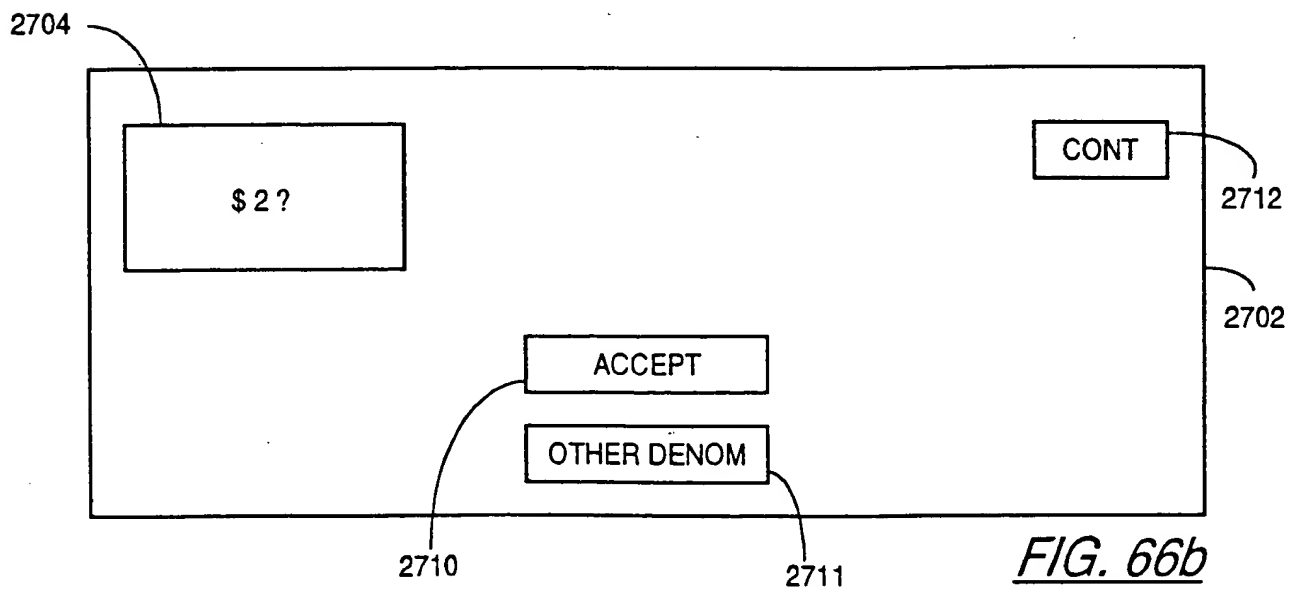


FIG. 61



*FIG. 65**FIG. 66a**FIG. 66b*

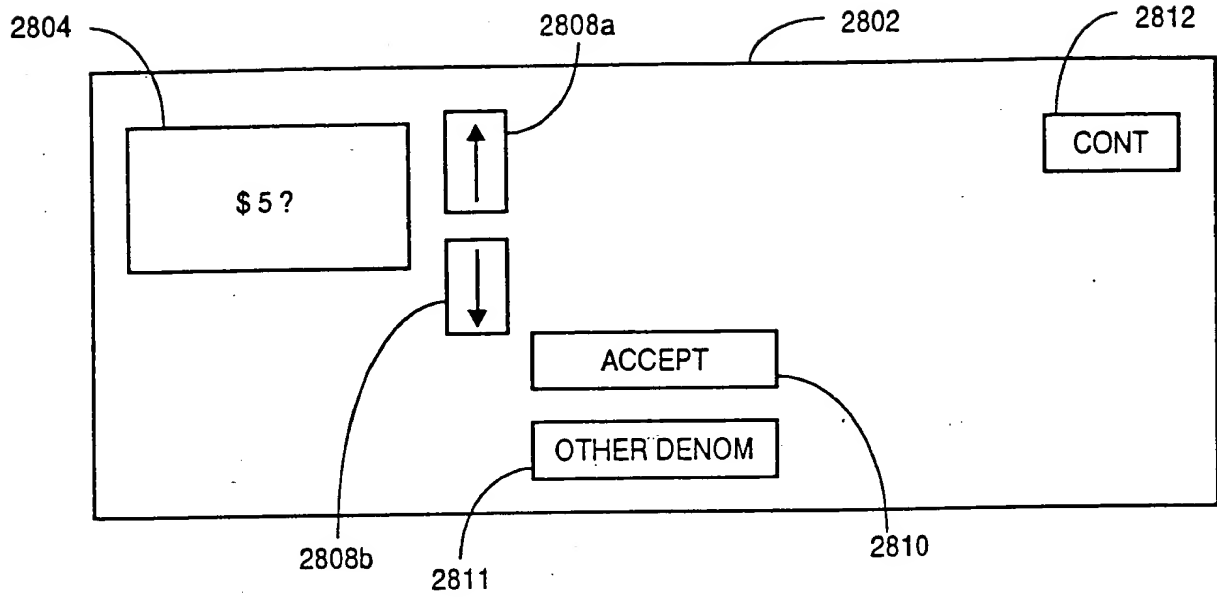


FIG. 67

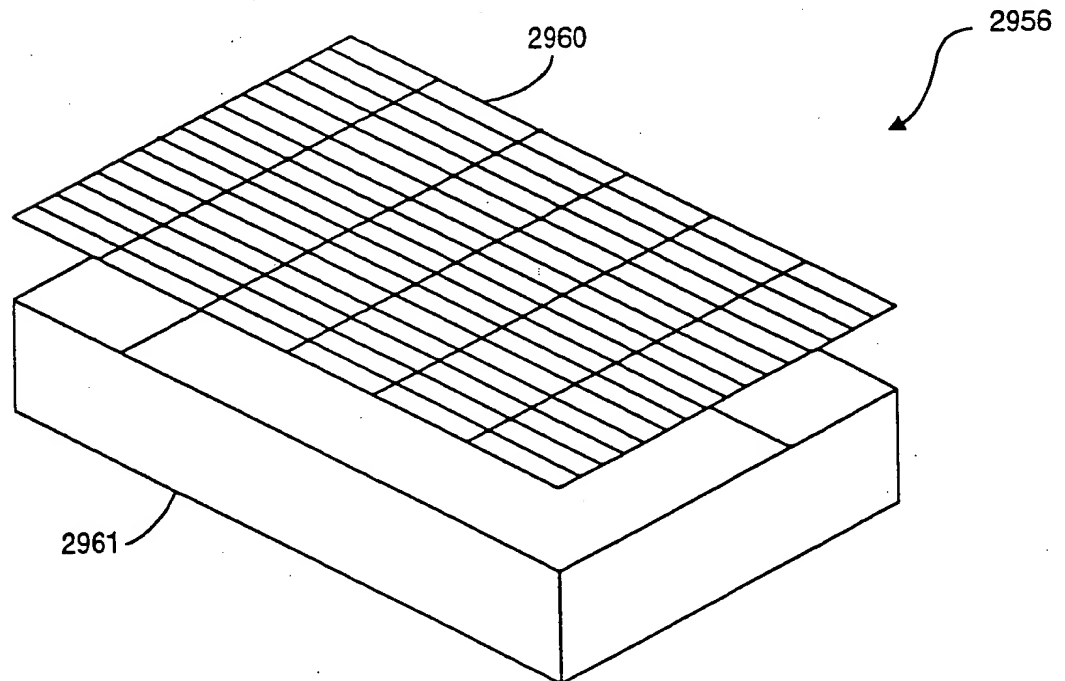


FIG. 68

005060" T8455960